



No. EXPEDIENTE

 PROCURADURIA-DAF-
CM-2023-0004

PROCURADURIA GENERAL DE LA REPUBLICA

Fecha: 25 de enero de 2023

1. Nombre/ Razón Social del Oferente:

Digital Business Group DBG, SRL

2. Si se trata de una asociación temporal o Consorcio, nombre jurídico de cada miembro:

No aplica.

 3. RNC/ Cédula/ Pasaporte del Oferente: **1-3191256-7**

 4. RPE del Oferente: **82929**

 5. Domicilio legal del Oferente: **Calle Miguel Ángel Garrido n°3, Edif. PB1, Local 204 los Prados Santo Domingo, República Dominicana**

6. Información del Representante autorizado del Oferente:

 Nombre: *Manuel Alexander Medina Carvallo*

 Dirección: *Residencial Nuevas Terrazas Avenida Monumental*

 Números de teléfono y fax: *Residencial Nuevas Terrazas Avenida Monumental*

 Dirección de correo electrónico: licitaciones@digitalgroup.net eperez@digitalgroup.net

 Teléfono: **849 4071569 / 809 4808975**

/UR.01.2014


 DISTRIBUCIÓN
Original 1 – Expediente de Compras




PROCURADURIA GENERAL DE LA REPUBLICA

PRESENTACIÓN DE OFERTA

Señores

PROCURADURIA GENERAL DE LA REPUBLICA

Nosotros, los suscritos, declaramos que:

- a) Hemos examinado y no tenemos reservas a los Pliegos de Condiciones para la Licitación de referencia, incluyendo las siguientes enmiendas/adendas realizadas a los mismos.
 - No hubo enmiendas en este proceso.
- b) De conformidad con los Pliegos de Condiciones y según el plan de entrega especificado en el Programa de Suministros/ Cronograma de Ejecución, nos comprometemos a suministrar los siguientes bienes y servicios conexos, o ejecutar los siguientes servicios u Obras:

Componente	Cantidad
SWITCH DE 24 PUERTOS POE	4
SWITCH DE 48 PUERTOS POE	4
UPS DE 1 KILO	3
CANAleta DE 3/4"	50
JACK RJ-45 CATEGORIA 6	675
CAJA DE CABLE CATEGORIA 6	14
FACEPLATE DE 1 SALIDA	125
UPS DE 1.5 KILO	3
PATCH CORDS DE 1 PIE	185



/UR.03.2023

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Copia 1 – Agregar Destino

PATCH CORDS DE 7 PIE	185
PATCH PANEL DE 24 PUERTOS	9
ORGANIZADOR DE CABLE 1U	9
JACK RJ-45 CATEGORIA 5E	50
CAJA DE CABLE CATEGORIA 5E	2
GABINETE DE 6U	2
FACEPLATE DOBLE	40
CAJA DE SUPERFICIE PLASTICA DE 2X4 DE CANALETAS	12
GABINETE DE 42U	1

- c) Si nuestra oferta es aceptada, nos comprometemos a obtener una garantía de fiel cumplimiento del Contrato, de conformidad con los Pliegos de Condiciones de la Licitación, por el importe del **CUATRO POR CIENTO (4%)** del monto total de la adjudicación, para asegurar el fiel cumplimiento del Contrato.
- d) Nuestra oferta se mantendrá vigente por un período de treinta (30) días hábiles, contado a partir de la fecha límite fijada para la presentación de ofertas, de conformidad con los Pliegos de Condiciones de la Licitación. Esta oferta nos obliga y podrá ser aceptada en cualquier momento hasta antes del término de dicho período.
- e) Para esta licitación no somos partícipes en calidad de Oferentes en más de una Oferta, excepto en el caso de ofertas alternativas, de conformidad con los Pliegos de Condiciones de la Licitación.

/UR.02.2016



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Copia 1 – Agregar Destino

- f) Nuestra firma, sus afiliadas o subsidiarias, incluyendo cualquier subcontratista o proveedor de cualquier parte del Contrato, no han sido declarados inelegibles por el Comprador para presentar ofertas.
- g) Entendemos que esta Oferta, junto con su aceptación por escrito que se encuentra incluida en la notificación de adjudicación, constituirán una obligación contractual, hasta la preparación y ejecución del Contrato formal.
- h) Entendemos que el Comprador no está obligado a aceptar la Oferta evaluada como la más baja ni ninguna otra de las Ofertas que reciba.

Manuel Alexander Medina Carvallo en calidad de Director será quien estará en representación de Digital Business Group DBG, SRL

Firma _____

Sello



SNCC.F.033



Procuraduría General

No. EXPEDIENTE

PROCURADURÍA-DAF-CM-2023-0004

NOMBRE DEL OFERENTE: DIGITAL BUSINESS GROUP DBG SRL **RNC:** 131912567

Contacto: Manuel Alexander Medina o Erika Perez

Tel: (809) 480-8975 o (849) 407-1569 **Email** amedina@digitalgroup.net - eperez@digitalgroup.net

Item No	Descripción del Bien, Servicio u Obra	Unidad de Medida	Cantidad	Precio Unitario	ITBIS	Precio Unitario Final
1	SWITCH DE 24 PUERTOS POE	Unidad	4	103,895.00	\$18,701.10	RD\$122,596.10
2	SWITCH DE 48 PUERTOS POE	Unidad	4	171,771.00	\$30,918.78	RD\$202,689.78
3	UPS DE 1 KILO	Unidad	3	4,170.00	\$750.60	RD\$4,920.60
4	CANAleta DE 3/4"	Unidad	50	60.00	\$10.80	RD\$70.80
5	JACK RJ-45 CATEGORIA 6	Unidad	675	115.00	\$20.70	RD\$135.70
6	CAJA DE CABLE CATEGORIA 6	Unidad	14	9,951.00	\$1,791.18	RD\$11,742.18
7	FACEPLATE DE 1 SALIDA	Unidad	125	42.00	\$7.56	RD\$49.56
8	UPS DE 1.5 KILO	Unidad	3	7,885.00	\$1,419.30	RD\$9,304.30
9	PATCH CORDS DE 1 PIE	Unidad	185	87.00	\$15.66	RD\$102.66
10	PATCH CORDS DE 7 PIE	Unidad	185	158.00	\$28.44	RD\$186.44
11	PATCH PANEL DE 24 PUERTOS	Unidad	9	3,261.00	\$586.98	RD\$3,847.98
12	ORGANIZADOR DE CABLE 1U	Unidad	9	801.00	\$144.18	RD\$945.18
13	JACK RJ-45 CATEGORIA 5E	Unidad	50	114.00	\$20.52	RD\$134.52
14	CAJA DE CABLE CATEGORIA 5E	Unidad	2	7,603.00	\$1,368.54	RD\$8,971.54
15	GABINETE DE 6U	Unidad	2	13,926.00	\$2,506.68	RD\$16,432.68
16	FACEPLATE DOBLE	Unidad	40	42.00	\$7.56	RD\$49.56



17	CAJA DE SUPERFICIE PLASTICA DE 2X4 DE CANALETAS	Unidad	12	92.00	\$16.56	RD\$108.56
18	GABINETE DE 42U	Unidad	1	54,996.00	\$9,899.28	RD\$64,895.28
VALOR TOTAL DE LA OFERTA: RD\$ 1,831,878.02 Valor total de la oferta en letras: UN MILLON OCHOCIENTOS TREINTA Y UN MIL OCHOCIENTOS SETENTA Y OCHO CON 02/100						

Manuel Alexander Medina en calidad de Gerente General y Representante Legal debidamente autorizado para actuar en nombre y representación de Digital Business Group DBG SRL

Firma _____



OFERTA VALIDA POR TREINTA (30) DIAS

DISTRIBUCIÓN Y COPIAS
Original 1 - Expediente de Compras
Copia 1 – Agregar





4-01-51707-8

CERTIFICACION No. 2926732

A QUIEN PUEDA INTERESAR

Por medio de la presente hacemos constar que en los registros de la Tesorería de la Seguridad Social, la empresa **DIGITAL BUSINESS GROUP DBG, S.R.L.** con RNC/Cédula **1-31-91256-7**, a la fecha no presenta balance con atrasos en los pagos de los aportes a la Seguridad Social.

La presente certificación no significa necesariamente que **DIGITAL BUSINESS GROUP DBG, S.R.L.** haya realizado sus pagos en los plazos que establece la Ley 87-01, ni constituye un juicio de valor sobre la veracidad de las declaraciones hechas por este empleador a la Tesorería de la Seguridad Social, ni le exime de cualquier verificación posterior.

Esta certificación no requiere firma ni sello, tiene una vigencia de 30 días a partir de la fecha y se expide **totalmente gratis sin costo alguno** a solicitud de la parte interesada.

Dado en la ciudad de Santo Domingo, Republica Dominicana, a los 16 días del mes de Enero del año 2023.

Para verificar la autenticidad de esta certificación diríjase a la siguiente dirección:

<https://suir.gob.do/sys/VerificarCertificacion.aspx>

Datos de verificación:

- Código de firma digital: **2926732-C3244703-52023**
- Pin: **8778**

NO HAY NADA ESCRITO DEBAJO DE ESTA LINEA



República Dominicana
MINISTERIO DE HACIENDA
DIRECCIÓN GENERAL DE IMPUESTOS INTERNOS
RNC: 4-01-50625-4
CERTIFICACIÓN

No. de Certificación: **C0223950150492**

La Dirección General de Impuestos Internos **CERTIFICA** que el o la contribuyente **DIGITAL BUSINESS GROUP DBG, S.R.L.**, RNC No. **131912567**, con su domicilio y asiento fiscal en **SANTO DOMINGO DE GUZMAN**, Administración Local **ADM LOCAL ABRAHAM LINCOLN**, está al día en la declaración y/o pago de los impuestos correspondientes a las obligaciones fiscales siguientes:

Nombre del Impuesto	
• ACTIVOS IMPONIBLES	• OTRAS RETENCIONES Y RETRIB COM
• IMPUESTO A LA RENTA SOCIEDADES	• RETENCIONES Y RETRIB. EN RENTA
• CONT RESIDUOS SOLIDOS IR2-ISFL	• ITBIS

Dada en la OFICINA VIRTUAL, a los dieciseis (16) días del mes de enero del año dos mil veintitres (2023).

NOTAS:

- La presente certificación tiene una vigencia de treinta (30) días a partir de la fecha y se emite a solicitud del o de la contribuyente o su representante.
- Esta certificación no constituye un juicio de valor sobre la veracidad de las declaraciones presentadas por el o la contribuyente, ni excluye cualquier proceso de verificación posterior.
- Este documento no requiere firma ni sello.

	Código de firma: A1EW-H6P3-21T1-6738-8515-5722 sha1: O+CY65astXzvOvEfbhE37nRa9MU= DGII - OFICINA VIRTUAL DIRECCION GENERAL DE IMPUESTOS INTERNOS DIRECCION GENERAL DE IMPUESTOS INTERNOS

Verifique la legitimidad de la presente certificación en <http://www.dgii.gov.do/verifica> o llamando a los teléfonos 809-689-3444 y 1-809-200-6060 (desde el interior sin cargos).

Santo Domingo, 25 de enero de 2023

Señores
Procuraduría General de la Republica
Referencia
PROCURADURIA-DAF-CM-2023-0004

Certificado de Garantía de los Bienes

Después de un cordial saludo, Yo Manuel Alexander Medina Carvallo portador de la Cédula de Identidad n° 402-2446648-8 en mi facultad de Gerente Administrativo Socio y Representante legal de Digital Business Group DBG SRL, RNC. 131-91256-7, empresa que funciona bajo el amparo de la ley.

De acuerdo a lo requerido en el proceso de licitación Pública Nacional **PROCURADURIA-DAF-CM-2023-0004**, en Digital Business Group DBG, SRL confirmamos que la garantía de los bienes es descrita más abajo:

Descripción de los Bienes				
Item	Descripción	Und	Cant Solicitada	Garantía
1	SWITCH DE 24 PUERTOS POE	1	4	1 AÑO
2	SWITCH DE 48 PUERTOS POE	1	4	1 AÑO
3	UPS DE 1 KILO	1	3	24 MESES
8	UPS DE 1.5 KILO	1	3	36 MESES
18	GABINETE DE 42U	1	1	1 AÑO

Sin más a que hacer referencia y quedando a sus órdenes por cualquier solicitud


Manuel Alexander Medina
Gerente General



CEDULA ANT.
000000-000

EXTRANJERO

NO VOTA

DIRECCION DE RESIDENCIA
MONUMENTAL, RES. NUEVAS TERRAZAS Casa 2, Apto. AF202

ARROYO HONDO
SECTOR
MUNICIPIO
DISTRITO NACIONAL

Román Andrés Jaquez Liranzo
ROMAN ANDRES JAQUEZ LIRANZO
PRESIDENTE JCE

402-2446648-8

CODIGO POSTAL
10510

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MEDINA<CARVALLO<<MANUEL<ALEXAN





CEDULA ANT.
550920-001
COLEGIO ELECTORAL
0347B

UBICACION DEL COLEGIO
CAMPUS NO 2 UNPHU
JARDINES DE GALA
AUTOPISTA DUARTE

DIRECCION DE RESIDENCIA
PROYECTO Casa 4
SECTOR
JARDINES DE GALA
MUNICIPIO
DISTRITO NACIONAL

REGISTRO DE NACIMIENTO
001-01-2006-01-00002920
CODIGO POSTAL
10101

DR. ROBERTO ROSARIO MAREZ
PRESIDENTE JCE

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7411238M1406067DOM<<<<<<<<<<<9
CUELLO<VELAZQUEZ<<HAROLD<<<<<



Digital Business Group DBG, SRL
RNC 131-91256-7
Registro Mercantil 156800SD

OFERTA TÉCNICA

Procuraduría General de la república
Ref. PROCURADURÍA-DAF-CM-
2023-0004
Digital Business Group DGB, SRL



ENERO 2023



809 480 8975
829-741-4265



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Calle Miguel Ángel Garrido #3, Los
Prados, D.N., República Dominicana



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1 Historia del Documento

Digital Business Group DBG, SRL

Nombre	Cargo	Fecha	Versión
Erika Viviana Pérez Torres	Key Account Manager	Enero 2023	1.0
Kleybert Carrillo	Solution Consultant	Enero 2023	1.0



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2. Información General

Declaración de Trabajo

En relación con la presente propuesta de productos y servicios presentada por Digital Business Group DBG a **Procuraduría General de la república**. Esta Declaración de trabajo describe los Servicios que Digital Business Group DBG proporcionará al CLIENTE. Los servicios se regirán por el contenido de este documento (Oferta Técnica), los términos y condiciones especificadas en el Contrato de servicio principal celebrado o que se celebrará entre las Partes ("Contrato").

Confidencialidad / Advertencia de seguridad

La información contenida en este documento es propiedad exclusiva de Digital Business Group DBG y sus socios comerciales (partners) por lo cual es confidencial. No puede divulgarse ni discutirse con terceros sin el permiso por escrito de Digital Business Group DBG. Este documento no se puede fotocopiar ni reproducir electrónicamente sin el permiso por escrito de Digital Business Group DBG. Cada persona a quien se dirige este documento reconoce, por retención y uso, la naturaleza confidencial del material contenido en este documento y acepta evitar la distribución de este documento más allá de las Partes.



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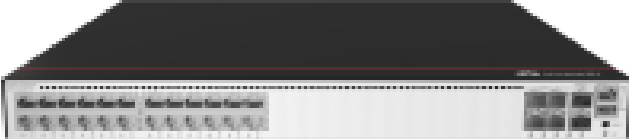
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3. Bienes Ofertados

ITEM 1		
CANTIDAD	EQUIPO	ESPECIFICACIONES
4	SWITCH DE 24 PUERTOS POE	- Cantidad de puertos: 24 puertos 10/100/1000, 2 gigabit SFP Combo y 2 Gigabit SFP - Capacidad de Poe: 195W - Tipo de Poe: Poe y al menos 4 puertos de 60W - Standards Soportados: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3ad Link Aggregation Control Protocol, IEEE 802.3z Gigabit Ethernet, IEEE 802.3x Flow Control, IEEE 802.1D (STP, GARP, and GVRP), IEEE 802.1Q/p VLAN, IEEE 802.1w Rapid STP, IEEE 802.1s Multiple STP, IEEE 802.1X Port Access Authentication, IEEE 802.3af, IEEE 802.3at, IEEE 802.1AB Link Layer Discovery Protocol, IEEE 802.3az Energy Efficient Ethernet, RFC 768, RFC 783, RFC 791, RFC 792, RFC 793, RFC 813, RFC 826, RFC 879, RFC 896, RFC 854, RFC 855, RFC 856, RFC 858, RFC 894, RFC 919, RFC 920, RFC 922, RFC 950, RFC 951, RFC 1042, RFC 1071, RFC 1123, RFC 1141, RFC 1155, RFC 1157, RFC 1213, RFC 1215, RFC 1286, RFC 1350, RFC 1442, RFC 1451, RFC 1493, RFC 1533, RFC 1541, RFC 1542, RFC 1573, RFC 1624, RFC 1643, RFC 1700, RFC 1757, RFC 1867, RFC
	S5735-S24U4XE-V2 	





Digital Business Group DBG, SRL
RNC 131-91256-7

Registro Mercantil 156800SD

	1907, RFC 2011, RFC 2012, RFC 2013, RFC 2030, RFC 2131, RFC 2132, RFC 2233, RFC 2576, RFC 2616, RFC 2618, RFC 2665, RFC 2666, RFC 2674, RFC 2737, RFC 2819, RFC 2863, RFC 3164, RFC 3176, RFC 3411, RFC 3412, RFC 3413, RFC 3414, RFC 3415, RFC 3416, RFC 4330. • Administración: Web (https), Smart Network Application, SNMP • IPv4 Routing: hasta 990 rutas esticas y 128 IP en interfaz • Configuración interfaces L3: Puerto físico, LAG, VLAN y loopback - DHCP: Capacidad de configurarse como servidor DHCP • SSH: versión 1 y versión 2 • Port Security: soportar • Garantía mínima: 1 año
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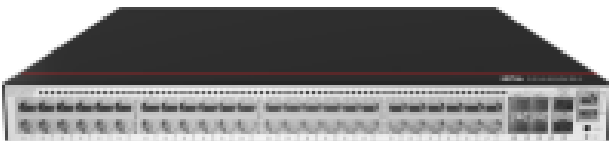


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ITEM 2		
CANTIDAD	EQUIPO	ESPECIFICACIONES
4	SWITCH DE 48 PUERTOS POE	- Cantidad de puertos: 48 x 10/100/1000 Mb/s Gigabit Ethernet (RJ45) PoE+ 2 x 10/100/1000 Mb/s Gigabit Combo (Ethernet/SFP) 2 x SFP - Capacidad de Poe: 375W - Tipo de Poe por puerto: 15.4 to 60W - Standards Soportados: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3ad Link Aggregation Control Protocol, IEEE 802.3z Gigabit Ethernet, IEEE 802.3x Flow Control, IEEE 802.1D (STP, GARP, and GVRP), IEEE 802.1Q/p VLAN, IEEE 802.1w Rapid STP, IEEE 802.1s Multiple STP, IEEE 802.1X Port Access Authentication, IEEE 802.3af, IEEE 802.3at, IEEE 802.1AB Link Layer Discovery Protocol, IEEE 802.3az Energy Efficient Ethernet, RFC 768, RFC 783, RFC 791, RFC 792, RFC 793, RFC 813, RFC 826, RFC 879, RFC 896, RFC 854, RFC 855, RFC 856, RFC 858, RFC 894, RFC 919, RFC 920, RFC 922, RFC 950, RFC 951, RFC 1042, RFC 1071, RFC 1123, RFC 1141, RFC 1155, RFC 1157, RFC 1213, RFC 1215, RFC 1286, RFC 1350, RFC 1442, RFC 1451, RFC 1493, RFC 1533, RFC 1541, RFC 1542, RFC 1573, RFC 1624, RFC 1643, RFC 1700, RFC 1757, RFC 1867, RFC 1907, RFC 2011, RFC 2012, RFC 2013, RFC 2030, RFC 2131, RFC 2132, RFC 2233, RFC 2576, RFC 2616, RFC 2618, RFC 2665, RFC 2666, RFC 2674, RFC 2737, RFC 2819, RFC 2863, RFC 3164, RFC 3176, RFC 3411, RFC 3412, RFC
	S5735-S48U4XE-V2 	





Digital Business Group DBG, SRL

RNC 131-91256-7

Registro Mercantil 156800SD

	3413, RFC 3414, RFC 3415, RFC 3416, RFC 4330 • Administración: Web (https), Smart Network Application, SNMP - IPv4 - Routing: hasta 990 rutas esticas y 128 IP en interfaz • Configuración interfaces L3: Puerto físico, LAG, VLAN y loopback • DHCP: Capacidad de configurarse como servidor DHCP • SSH: versión 1 y versión 2 • Port Security: soportar • Garantía mínima: 1 Año
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ITEM 3		
CANTIDAD	EQUIPO	ESPECIFICACIONES
3	UPS DE 1 KILO	- Voltaje de entrada: 110/220 V - Tipo de UPS: Torre / Tower - Potencia nominal en W: 600W - Potencia nominal en VA: 1000VA - Conexión de salida: 6 NEMA 5-15R - Tipo de batería: Sellada de Plomo - Certificaciones de producto: NOM, TÜV - Entrada - Frecuencia: 60 Hz +/- 5 Hz ((*)) - Corriente máxima de entrada: 8A - Capacidad de corriente de conmutación: 15A - Salida - Máxima potencia configurable (vatios): 600 W - Frecuencia de salida (sincronizada a red eléctrica principal): 60 Hz +/- 3 Hz sincronizada - Tipo de forma de onda: Aproximación acompasada de una onda sinusoidal - Tiempo de transferencia: Valor típico 6 ms: Valor máximo 10 ms - Poder máximo: 1000VA Baterías y autonomía - Baterías preinstaladas: 1 - Ranuras libres para baterías: 0 - Tiempo típico de recarga: 6H - Potencia de carga de la batería (vatios): 19 W nominal Comunicaciones y manejo - Panel de control: Indicadores led on-line: batería encendida - Alarma audible: Alarma de batería encendida: alarma distintiva de carga de batería baja: alarma de sobrecarga de tono continuo. - Garantía: 24 meses
	PRO1000T  Switch UPS estatus del LCD	



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ITEM 4		
CANTIDAD	EQUIPO	ESPECIFICACIONES
50	CANAleta DE 3/4"	
CANAleta DE 3/4" 		CANAleta DE 3/4".



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Calle Miguel Ángel Garrido #3, Los
Prados, D.N., República Dominicana



ITEM 5		
CANTIDAD	EQUIPO	ESPECIFICACIONES
675	JACK RJ-45 CATEGORIA 6	
NTKJ1806EWHS� 		• Categoría: 6 • Tipo de cable: Par trenzado 22-26 AWG • Cantidad de pares del cable: 4 • Material del contacto: Cobre • Tipo de blindaje: Sin Blindaje • Color: Blanco • Estándar: ANSI/TIA/EIA-568



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Calle Miguel Ángel Garrido #3, Los
Prados, D.N., República Dominicana



ITEM 6		
CANTIDAD	EQUIPO	ESPECIFICACIONES
14	CAJA DE CABLE CATEGORIA 6	
NTNC6EBU		
		• Categoría: 6 • Tipo de cable: Par trenzado (UTP) • Calibre del cable: 23 AWG • Cantidad de pares del cable: 4 • Material conductor: Cobre sólido pulido • Tipo de blindaje: Sin Blindaje • Longitud del cable: 1000 pies (305mt) • Estándar: ANSI/TIA/EIA-568





ITEM 7		
CANTIDAD	EQUIPO	ESPECIFICACIONES
125	FACEPLATE DE 1 SALIDA	
NTFP01LWH 		- Tipo: Plato para Jack RJ45 - Color: Blanco - Cantidad de salidas: 1





ITEM 8		
CANTIDAD	EQUIPO	ESPECIFICACIONES
3	UPS DE 1.5 KILO	- Voltaje de entrada: 120 V - Tipo de UPS: Torre / Tower - Potencia nominal en W: 900W - Potencia nominal en VA: 1500VA - Conexión de salida: 5 NEMA 5-15R, 5 NEMA 5-15R pararrayos - Tipo de batería: Sellada de Plomo Entrada - Frecuencia: 60 Hz +/- 3 Hz - Corriente máxima de entrada: 12A - Capacidad de corriente de conmutación: 15ª salida - Máxima potencia configurable (vatios): 900 W - Frecuencia de salida (sincronizada a red eléctrica principal): 60 Hz sincronizada - Tipo de forma de onda: Aproximación acompasada de una onda sinusoidal - Tiempo de transferencia: Típico 8 ms: Máximo 10 ms - Poder máximo: 1500VA Baterías y autonomía - Baterías preinstaladas: 1 - Ranuras libres para baterías: 0 - Tiempo típico de recarga: 6H - Potencia de carga de la batería (vatios): 19 W nominal Comunicaciones y manejo - Panel de control: Estatus multifuncional lcd y consola con control - Alarma audible: Alarma de batería encendida: alarma distintiva de carga de batería baja: alarma de sobrecarga de tono - Garantía: 36 meses
	PRO1500T 	



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ITEM 9		
CANTIDAD	EQUIPO	ESPECIFICACIONES
185	PATCH CORDS DE 1 PIE	
NTPC6E01BUSL 		• Categoría: 6 • Tipo de cable: Par trenzado (UTP) • Calibre del cable: 23 AWG • Cantidad de pares del cable: 4 • Tipo de conector: RJ45 • Tipo de blindaje: Sin Blindaje • Longitud del cable: 1 pie (30cm) • Estándar: ANSI/TIA/EIA-568B



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ITEM 10		
CANTIDAD	EQUIPO	ESPECIFICACIONES
185	PATCH CORDS DE 7 PIE	
NTPC6E07BUSL 		• Categoría: 6 • Tipo de cable: Par trenzado (UTP) • Calibre del cable: 23 AWG • Cantidad de pares del cable: 4 • Tipo de conector: RJ45 • Tipo de blindaje: Sin Blindaje • Longitud del cable: 7 pies • Estándar: ANSI/TIA/EIA-568B



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ITEM 11		
CANTIDAD	EQUIPO	ESPECIFICACIONES
9	PATCH PANEL DE 24 PUERTOS	
NTPPC624U 		• Categoría: 6 • Cantidad de puertos: 24 • Estándar: ANSI/TIA/EIA-568 • Calibre del cable: 22-26 AWG • Largo: 19 pulgadas • Modular: No



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ITEM 12		
CANTIDAD	EQUIPO	ESPECIFICACIONES
9	ORGANIZADOR DE CABLE 1U	
NTCMF1U 		• Cantidad de Rack Unit: 1U • Color: Negro • Largo: 19 pulgadas • Tapa: Si



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ITEM 13		
CANTIDAD	EQUIPO	ESPECIFICACIONES
50	JACK RJ-45 CATEGORIA 5E	
LP-XCEPUSWH 		• Categoría: 5e • Tipo de cable: Par trenzado 22-26 AWG • Cantidad de pares del cable: 4 • Material del contacto: Cobre • Tipo de blindaje: Sin Blindaje • Color: Blanco • Estándar: ANSI/TIA/EIA-568



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ITEM 14		
CANTIDAD	EQUIPO	ESPECIFICACIONES
2	CAJA DE CABLE CATEGORIA 5E	
NTNCSEBU 		• Categoría: 5e • Tipo de cable: Par trenzado (UTP) • Calibre del cable: 24 AWG • Cantidad de pares del cable: 4 • Material conductor: Aluminio revestido de cobre • Tipo de blindaje: Sin Blindaje • Longitud del cable: 1000 pies (305mt) • Estándar: ANSI/TIA/EIA-568



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ITEM 15		
CANTIDAD	EQUIPO	ESPECIFICACIONES
2	GABINETE DE 6U	
NTDWC6U600 		• Cantidad de unidades de rack: 6U • Color: Negro • Puerta frontal: Cristal templado con cerradura • Puertas laterales: Cerradura y llave • Rieles verticales: Ajustables • Abanicos de ventilación: Incluidos • Dimensión interna: Para 19 pulgadas • Tornillos y tuercas clip: Deben estar incluidas • Tipo de apertura: Frontal, lateral y trasera



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ITEM 16		
CANTIDAD	EQUIPO	ESPECIFICACIONES
40	FACEPLATE DOBLE	
NTFP02LWH 		- Tipo: Plato para Jack RJ45 - Color: Blanco - Cantidad de salidas: 2



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ITEM 17		
CANTIDAD	EQUIPO	ESPECIFICACIONES
12	CAJA DE SUPERFICIE PLASTICA DE 2X4 DE CANALETAS	
NTMB24 		CAJA DE SUPERFICIE PLASTICA DE 2X4 DE CANALETAS



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ITEM 18		
CANTIDAD	EQUIPO	ESPECIFICACIONES
1	GABINETE DE 42U	
NTNC42U68 		• Cantidad de unidades de rack: 42U • Tipo: Rack o bastidor independiente • Color: Negro • Ventilador: Rejillas y 6 ranuras para unidades de ventilación, 4 ventiladores en la parte superior, incluidos • Cumplimientos estándar de la industria: ANSI/TIA/EIA-568 C.2 y ANSI/EIA RS-310-D IEC297-2; DIN41491: PARTADO 1; DIN41494: APARTADO 7; GB/t3047.2-92 • Dimensión interna: Para 19 pulgadas • Tornillos y tuercas clip: Deben estar incluidas • Garantía: 1 año



Huawei CloudEngine S5735-S-V2 Series Switches

Huawei CloudEngine S5735-S-V2 series are standard gigabit Ethernet switches that provide all GE downlink ports and 10GE uplink ports.

Introduction

CloudEngine S5735-S-V2 series switches are developed based on next-generation high-performing hardware and software platform. CloudEngine S5735-S-V2 switches support simplified operations and maintenance (O&M), and flexible Ethernet networking. It also provides enhanced Layer 3 features and mature IPv6 features. CloudEngine S5735-S-V2 switches can be used in various scenarios. For example, it can be used as an access or aggregation switch on a campus network or as an access switch for Metropolitan Area Network.

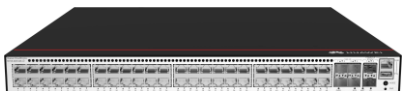
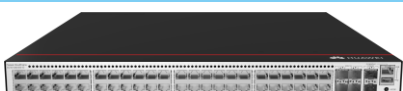
Product Overview

Models and Appearances

The following models are available in the CloudEngine S5735-S-V2 series.

Models and appearances of the CloudEngine S5735-S-V2 series

Models and Appearances	Description
 CloudEngine S5735-S24T4XE-V2	24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports 1+1 power supply backup - Forwarding performance: 132 Mpps - Switching capacity*: 176 Gbps/520 Gbps
 CloudEngine S5735-S24P4XE-V2	24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports 3 power supplies, N+1 power supply backup - PoE+ - Forwarding performance: 132 Mpps - Switching capacity*: 176 Gbps/520 Gbps
 CloudEngine S5735-S24U4XE-V2	24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports 3 power supplies, N+1 power supply backup - PoE++(90W) - Forwarding performance: 132 Mpps - Switching capacity*: 176 Gbps/520 Gbps

Models and Appearances	Description
 CloudEngine S5735-S48T4XE-V2	• 48 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports • 1+1 power supply backup • Forwarding performance: 168 Mpps • Switching capacity*: 224 Gbps/520 Gbps
 CloudEngine S5735-S48P4XE-V2	• 48 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports • 3 power supplies, N+1 power supply backup • PoE+ • Forwarding performance: 168 Mpps • Switching capacity*: 224 Gbps/520 Gbps
 CloudEngine S5735-S48U4XE-V2	• 48 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports • 3 power supplies, N+1 power supply backup • PoE++(90W) • Forwarding performance: 168 Mpps • Switching capacity*: 224 Gbps/520 Gbps

*Note: The value before the slash (/) refers to the device's switching capability, while the value after the slash (/) means the system's switching capability.

Power Supply

Technical specifications of the power supplies applicable to the CloudEngine S5735-S series

Power Module	Technical Specifications	Applied Switch Model
 PAC180S12-CN	• Dimensions (H x W x D): 40 mm x 66 mm x 215 mm • Weight: 0.8 kg • Rated input voltage range: – 100 V AC to 130 V AC; 50/60 Hz – 100 V AC to 240 V AC, 50/60 Hz – 240 V DC • Maximum input voltage range: – 90 V AC to 290 V AC, 45 Hz to 66 Hz – 190 V DC to 290 V DC • Maximum input current: – 3 A • Rated output current: – 15 A • Rated output voltage: 12 V • Rated output power: – 180 W • Hot swap: Supported	• CloudEngine S5735-S24T4XE-V2 • CloudEngine S5735-S48T4XE-V2
 PDC1K2S12-CE	• Dimensions (H x W x D): 39.6 mm x 66 mm x 215 mm • Weight: 1.5 kg • Rated input voltage range: – +48 V DC	• CloudEngine S5735-S24T4XE-V2 • CloudEngine S5735-S48T4XE-V2

Power Module	Technical Specifications	Applied Switch Model
	- -48V DC to -60 V DC • Maximum input voltage range: - +40 V DC to +57 V DC - -38.4V DC to -72 V DC • Maximum Input current: - 38 A • Rated output voltage: - 12 V • Rated output power: - 1200W • Hot swap: Supported	
 PAC600S56-EB	• Dimensions (H x W x D): 40 mm x 66 mm x 215 mm • Weight: 0.9 kg • Rated input voltage range: - 100 V AC to 130 V AC; 50/60 Hz - 100 V AC to 240 V AC, 50/60 Hz - 240 V DC • Maximum input voltage range: - 90 V AC to 290 V AC, 45 Hz to 66 Hz - 190 V DC to 290 V DC • Maximum input current: - 100 V AC to 130 V AC: 8 A - 100 V AC to 240 V AC: 8 A - 240 V DC: 4 A • Rated output current: - 53.5 V: 11.21 A - 55.5 V: 10.81 A • Rated output voltage: 53.5 V or 55.5 V • Rated output power: - 100 V AC to 130 V AC input: 300W - 100 V AC to 240 V AC & 240 V DC input: 600W • Hot swap: Supported	• CloudEngine S5735-S24P4XE-V2 • CloudEngine S5735-S24U4XE-V2 • CloudEngine S5735-S48P4XE-V2 • CloudEngine S5735-S48U4XE-V2
 PAC1000S56-EB	• Dimensions (H x W x D): 40 mm x 66 mm x 215 mm • Weight: 1.1 kg (2.43 lb) • Rated input voltage range: - 100 V AC to 130 V AC, 50/60 Hz - 200 V AC to 240 V AC, 50/60 Hz - 240 V DC • Maximum input voltage range: - 90 V AC to 290 V AC, 45 Hz to 66 Hz - 190 V DC to 290 V DC • Input current:	• CloudEngine S5735-S24P4XE-V2 • CloudEngine S5735-S24U4XE-V2 • CloudEngine S5735-S48P4XE-V2 • CloudEngine S5735-S48U4XE-V2

Power Module	Technical Specifications	Applied Switch Model
	100 V AC to 130 V AC: 12 A 200 V AC to 240 V AC: 8 A 240 V DC: 8 A - Maximum output current: 100 V AC to 130 V AC input: 12 A 200 V AC to 240 V AC input and 240 V DC input: 8 A 240V DC: 8 A - Maximum output power: - Total power: 900 W (100 V AC to 130 V AC input)/1000 W (200 V AC to 240 V AC input and 240 V DC input) - Hot swap: Supported	
 PDC1000S56-EB	- Dimensions (H x W x D): 40 mm x 66 mm x 215 mm - Weight: 1 kg - Rated input voltage range: -48 V DC to -60 V DC - Maximum input voltage range: -38.4 V DC to -72 V DC - Maximum input current: 30 A - Rated output voltage: 53.5 V or 55.5 V - Rated output current: 53.5 V: 18.69 A 55.5 V: 18.02 A - Rated output power: 1000 W - Hot swap: Supported	- CloudEngine S5735-S24P4XE-V2 - CloudEngine S5735-S24U4XE-V2 - CloudEngine S5735-S48P4XE-V2 - CloudEngine S5735-S48U4XE-V2

The following table lists its power supply configurations.

Power supply configurations of CloudEngine S5735-S-V2

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
CloudEngine S5735-S24P4XE-V2	1000 W AC (220 V)	—	—	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (110 V)	—	—	774 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W DC	—	—	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	600 W AC (220 V)	—	—	532 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 17
	600 W AC (110 V)	—	—	247 W	802.3af (15.4 W per port): 16 802.3at (30 W per port): 8
	1000 W AC (220 V)	1000 W AC (220 V)	—	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
	1000 W DC	1000 W DC			
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	–	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	600 W AC (220 V)	600 W AC (220 V)	–	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	–	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W DC	600 W AC (110 V)	–	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (110 V)	600 W AC (110 V)	-	774 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	600 W AC (110 V)	600 W AC (110 V)	–	532 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 17
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	600 W AC (220 V)	600 W AC (220 V)	600 W AC (220 V)	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	600 W AC (220 V)	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V) 1000 W DC	600 W AC (110 V)	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W DC	600 W AC (110 V)	600 W AC (110 V)	840 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	1000 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	774 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
	600 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	817 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24
CloudEngine S5735-	1000 W AC (220 V)	–	–	846 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
S24U4XE-V2					802.3at (60 W per port): 14 802.3at (90 W per port): 9
	1000 W AC (110 V)	–	–	756 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 12 802.3at (90 W per port): 8
	1000 W DC	–	–	846 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	600 W AC (220 V)	–	–	513 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 17 802.3at (60 W per port): 8 802.3at (90 W per port): 5
	600 W AC (110 V)	–	–	228 W	802.3af (15.4 W per port): 14 802.3at (30 W per port): 7 802.3at (60 W per port): 3 802.3at (90 W per port): 2
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	–	1746 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 19
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	–	1566 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 17
	600 W AC (220 V)	600 W AC (220 V)	–	1083 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 18 802.3at (90 W per port): 12
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	–	1386 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 23 802.3at (90 W per port): 15
	1000 W DC	600 W AC (110 V)	–	846 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	1000 W AC (110 V)	600 W AC (110 V)	-	756 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
					802.3at (60 W per port): 12 802.3at (90 W per port): 8
	600 W AC (110 V)	600 W AC (110 V)	–	513 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 17 802.3at (60 W per port): 8 802.3at (90 W per port): 5
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	2268 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 24
	600 W AC (220 V)	600 W AC (220 V)	600 W AC (220 V)	1653 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 18
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	2268 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 24
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	600 W AC (220 V)	1926 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 21
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	2268 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 24
	1000 W DC	1000 W DC	600 W AC (110 V)	1746 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 19
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	600 W AC (110 V)	1566 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 24 802.3at (90 W per port): 17
	1000 W DC	600 W AC (110 V)	600 W AC (110 V)	846 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	1000 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	756 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
					802.3at (60 W per port): 12 802.3at (90 W per port): 8
	600 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	798 W	802.3af (15.4 W per port): 24 802.3at (30 W per port): 24 802.3at (60 W per port): 13 802.3at (90 W per port): 8
CloudEngine S5735-S48P4XE-V2	1000 W AC (220 V)	—	—	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28
	1000 W AC (110 V)	—	—	756 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 25
	1000 W DC	—	—	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28
	600 W AC (220 V)	—	—	513 W	802.3af (15.4 W per port): 33 802.3at (30 W per port): 17
	600 W AC (110 V)	—	—	228 W	802.3af (15.4 W per port): 14 802.3at (30 W per port): 7
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	—	1680 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	—	1566 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	600 W AC (220 V)	600 W AC (220 V)	—	1083 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 36
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	—	1386 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 46
	1000 W DC	600 W AC (110 V)	—	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28
	1000 W AC (110 V)	600 W AC (110 V)	-	756 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 25
	600 W AC (110 V)	600 W AC (110 V)	—	513 W	802.3af (15.4 W per port): 33 802.3at (30 W per port): 17
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	1680 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	600 W AC (220 V)	600 W AC (220 V)	600 W AC (220 V)	1653 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	1000 W AC (220 V)	1000 W AC (220 V)	600 W AC (220 V)	1680 W	802.3af (15.4 W per port): 48

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
	1000 W DC	1000 W DC			802.3at (30 W per port): 48
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	600 W AC (220 V)	1680 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	1680 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	1000 W DC	1000 W DC	600 W AC (110 V)	1680 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	600 W AC (110 V)	1566 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48
	1000 W DC	600 W AC (110 V)	600 W AC (110 V)	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28
	1000 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	756 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 25
	600 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	798 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 26
CloudEngine S5735-S48U4XE-V2	1000 W AC (220 V)	–	–	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	1000 W AC (110 V)	–	–	756 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 25 802.3at (60 W per port): 12 802.3at (90 W per port): 8
	1000 W DC	–	–	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	600 W AC (220 V)	–	–	513 W	802.3af (15.4 W per port): 33 802.3at (30 W per port): 17 802.3at (60 W per port): 8 802.3at (90 W per port): 5
	600 W AC (110 V)	–	–	228 W	802.3af (15.4 W per port): 14 802.3at (30 W per port): 7 802.3at (60 W per port): 3 802.3at (90 W per port): 2
	1000 W AC (220 V)	1000 W AC (220 V)	–	1746 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
	1000 W DC	1000 W DC			802.3at (60 W per port): 29 802.3at (90 W per port): 19
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	–	1566 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 26 802.3at (90 W per port): 17
	600 W AC (220 V)	600 W AC (220 V)	–	1083 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 36 802.3at (60 W per port): 18 802.3at (90 W per port): 12
	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	–	1386 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 46 802.3at (60 W per port): 23 802.3at (90 W per port): 15
	1000 W DC	600 W AC (110 V)	–	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	1000 W AC (110 V)	600 W AC (110 V)	-	756 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 25 802.3at (60 W per port): 12 802.3at (90 W per port): 8
	600 W AC (110 V)	600 W AC (110 V)	–	513 W	802.3af (15.4 W per port): 33 802.3at (30 W per port): 17 802.3at (60 W per port): 8 802.3at (90 W per port): 5
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	2880 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 48 802.3at (90 W per port): 32
	600 W AC (220 V)	600 W AC (220 V)	600 W AC (220 V)	1653 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 27 802.3at (90 W per port): 18
	1000 W AC (220 V) 1000 W DC	1000 W AC (220 V) 1000 W DC	600 W AC (220 V)	2286 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 38 802.3at (90 W per port): 25
	1000 W AC (220 V)	600 W AC (220 V)	600 W AC (220 V)	1926 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48

Module	Power Module 1	Power Module 2	Power Module 3	Available PoE Power	Maximum Number of Ports (Fully Loaded)
	1000 W DC				802.3at (60 W per port): 32 802.3at (90 W per port): 21
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	2376 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 39 802.3at (90 W per port): 26
	1000 W DC	1000 W DC	600 W AC (110 V)	1746 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 29 802.3at (90 W per port): 19
	1000 W AC (110 V) 1000 W DC	1000 W AC (110 V)	600 W AC (110 V)	1566 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 48 802.3at (60 W per port): 26 802.3at (90 W per port): 17
	1000 W DC	600 W AC (110 V)	600 W AC (110 V)	846 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 28 802.3at (60 W per port): 14 802.3at (90 W per port): 9
	1000 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	756 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 25 802.3at (60 W per port): 12 802.3at (90 W per port): 8
	600 W AC (110 V)	600 W AC (110 V)	600 W AC (110 V)	798 W	802.3af (15.4 W per port): 48 802.3at (30 W per port): 26 802.3at (60 W per port): 13 802.3at (90 W per port): 8

Product Features and Highlights

Powerful Service Processing Capability

- CloudEngine S5735-S-V2 supports a broad set of Layer 2/Layer 3 multicast protocols, such as PIM SM, PIM DM, PIM SSM, and IGMP snooping. This capability is ideal for high-definition video backhaul and video conferencing access.
- CloudEngine S5735-S-V2 provides multiple Layer 3 features including OSPF, IS-IS, BGP, and VRRP, meeting enterprises' access and aggregation service needs and enabling a variety of voice, video, and data applications.

Multiple Security Control Mechanisms

- CloudEngine S5735-S-V2 supports MAC address authentication, 802.1X authentication, and implements dynamic delivery of policies (VLAN, QoS, and ACL) to users.
- CloudEngine S5735-S-V2 provides a series of mechanisms to defend against DoS attacks and user-targeted attacks. DoS attacks are targeted at switches and include SYN flood, Land, Smurf, and ICMP flood attacks. User-targeted attacks include bogus DHCP server attacks, IP/MAC address spoofing, DHCP request flood, and changing of the DHCP CHADDR value.

- CloudEngine S5735-S-V2 sets up and maintains a DHCP snooping binding table, and discards the packets that do not match the table entries. The DHCP snooping trusted port feature ensures that users connect only to the authorized DHCP server.
- CloudEngine S5735-S-V2 supports strict ARP learning, which protects a network against ARP spoofing attacks to ensure that users can connect to the Internet normally.

Multiple Reliability Mechanisms

- CloudEngine S5735-S-V2 is equipped with two pluggable power modules that work in 1+1 redundancy backup mode. Mixed installation of AC and DC power modules is supported, allowing for flexible configuration of AC or DC power modules according to service requirements.
- In addition to supporting traditional Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP), CloudEngine S5735-S-V2 is also designed with the industry's latest Ethernet Ring Protection Switching (ERPS) technology. This protocol is reliable, easy to maintain, and implements fast protection switching within 50 ms. ERPS is defined in ITU-T G.8032, and it implements millisecond-level protection switching based on traditional Ethernet MAC and bridging functions.
- CloudEngine S5735-S-V2 supports Smart Link, which implements backup of uplinks. One CloudEngine S5735-S-V2 switch can connect to multiple aggregation switches through multiple links, significantly improving reliability of access devices.

Easy Network deployment

- CloudEngine S5735-S-V2 supports Huawei Easy Operation, a solution that provides zero-touch deployment, replacement of faulty devices without additional configuration, USB-based deployment, batch device configuration, and batch remote upgrade. The capabilities facilitate device deployment, upgrade, service provisioning, and other management and maintenance operations, and also greatly reduce O&M costs. CloudEngine S5735-S-V2 can be managed using SNMP v1/v2c/v3, CLI, web-based network management system, or SSH v2.0. Additionally, it supports RMON, multiple log hosts, port traffic statistics collection, and network quality analysis, which facilitate network optimization and reconstruction.

Mature IPv6 Technologies

- CloudEngine S5735-S-V2 uses the mature, stable VRP platform and supports IPv4/IPv6 dual stack, IPv6 RIPng.
- CloudEngine S5735-S-V2 can be deployed on a pure IPv4 network, a pure IPv6 network, or a shared IPv4/IPv6 network, helping achieve IPv4-to-IPv6 transition.

Intelligent Stack (iStack)

- CloudEngine S5735-S-V2 supports intelligent stack (iStack). This technology combines multiple switches into a logical switch. Member switches in a stack implement redundancy backup to improve device reliability and use inter-device link aggregation to improve link reliability.
- iStack provides high network scalability. You can increase ports, bandwidth, and processing capacity of a stack by simply adding member switches to the stack.
- iStack also simplifies device configuration and management. After a stack is set up, multiple physical switches are virtualized into one logical device. You can log in to any member switch in the stack to manage all the member switches in the stack. CloudEngine S5735-S-V2 support stacking through electrical ports.

PoE Function

CloudEngine S5735-S-V2 PoE models can support PoE++(up to 90W power supply), Meeting high-power power supply requirements for Wi-Fi 6 APs, IP cameras, and Video phones.

- **Perpetual PoE:** When a PoE switch is abnormal Power-off or the software version is upgraded, the power supply to PDs is not interrupted. This capability ensures that PDs are not powered off during the switch reboot.
- **Fast PoE:** PoE switches can supply power to PDs within seconds after they are powered on. This is different from common switches that generally take 1 to 3 minutes to start to supply power to PDs. When a PoE switch reboots due to a power failure, the PoE switch continues to supply power to the PDs immediately after being powered on without waiting until it finishes reboot. This greatly shortens the power failure time of PDs.

Intelligent O&M

- CloudEngine S5735-S-V2 provides telemetry technology to collect device data in real time and send the data to Huawei campus network analyzer CampusInsight. The CampusInsight analyzes network data based on the intelligent fault identification

algorithm, accurately displays the real-time network status, effectively demarcates and locates faults in a timely manner, and identifies network problems that affect user experience, accurately guaranteeing user experience.

Intelligent Upgrade

- CloudEngine S5735-S-V2 supports the intelligent upgrade feature. Specifically, CloudEngine S5735-S-V2 obtains the version upgrade path and downloads the newest version for upgrade from the Huawei Online Upgrade Platform (HOUP). The entire upgrade process is highly automated and achieves one-click upgrade. In addition, preloading the version is supported, which greatly shortens the upgrade time and service interruption time.
- The intelligent upgrade feature greatly simplifies device upgrade operations and makes it possible for the customer to upgrade the version independently. This greatly reduces the customer's maintenance costs. In addition, the upgrade policies on the HOUP platform standardize the upgrade operations, which greatly reduces the risk of upgrade failures.

Cloud Management

- The Huawei cloud management platform allows users to configure, monitor, and inspect switches on the cloud, reducing on-site deployment and O&M manpower costs and decreasing network OPEX. Huawei switches support both cloud management and on-premise management modes. These two management modes can be flexibly switched as required to achieve smooth evolution while maximizing return on investment (ROI).

OPS(Open Programmability System)

- CloudEngine S5735-S-V2 supports Open Programmability System (OPS), an open programmable system based on the Python language. IT administrators can program the O&M functions of a CloudEngine S5735-S-V2 switch through Python scripts to quickly innovate functions and implement intelligent O&M.

Licensing

CloudEngine S5735-S-V2 supports both the traditional feature-based licensing mode and the latest Huawei IDN One Software (N1 mode for short) licensing mode. The N1 mode is ideal for deploying Huawei CloudCampus Solution in the on-premises scenario, as it greatly enhances the customer experiences in purchasing and upgrading software services with simplicity.

Software Package Features in N1 Mode

Switch Functions	N1 Basic Software	N1 Foundation Software Package	N1 Advanced Software Package
Basic network functions: Layer 2 functions, IPv4, IPv6 and others Note: For details, see the Service Features	√	√	√
Basic network automation based on the iMaster NCE-Campus: ● Basic automation: Plug-and-play ● Basic monitoring: Application visualization ● NE management: Image and topology management and discovery ● User access authentication	×	√	√
Advanced network automation and intelligent O&M: CampusInsight basic functions	×	×	√

Product Specifications

Functions and Features

Item	Description
MAC address table	IEEE 802.1d compliance
	32768 MAC entries(MAX)
	MAC address learning and aging
	Static, dynamic, and blackhole MAC address entries
	Packet filtering based on source MAC addresses
VLAN	4094 VLANs
	Voice VLAN
	MUX VLAN
	VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports
Reliability	Smart Link tree topology and Smart Link multi-instance, providing millisecond-level protection switchover
	STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s)
	ERPS (G.8032)
	BPDU protection, root protection, and loop protection
IP routing	Static route, RIPv1/v2, RIPng, OSPF, OSPFv3, ECMP, IS-IS, IS-ISv6, BGP, BGP4+, VRRP, and VRRP6
	Up to 8192 FIBv4 entries
	Up to 3072 FIBv6 entries
IPv6 features	Up to 3072 ND entries
	Path MTU (PMTU)
	IPv6 ping, IPv6 tracer, and IPv6 Telnet
Multicast	PIM DM, PIM SM, PIM SSM
	IGMP v1/v2/v3, IGMP v1/v2/v3 snooping and IGMP fast leave
	Multicast load balancing among member ports of a trunk
	Port-based multicast traffic statistics
QoS/ACL	Rate limiting on packets sent and received by a port
	Packet redirection
	Port-based traffic policing and two-rate three-color CAR
	Eight queues on each port
	DRR, SP and DRR+SP queue scheduling algorithms
	Re-marking of the 802.1p priority and DSCP priority
	Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN ID

Item	Description
	Rate limiting in each queue and traffic shaping on ports
Security	Hierarchical user management and password protection
	DoS attack defense, ARP attack defense, and ICMP attack defense
	Binding of the IP address, MAC address, port number, and VLAN ID
	Port isolation, port security, and sticky MAC
	Blackhole MAC address entries
	Limit on the number of learned MAC addresses
	IEEE 802.1x authentication and limit on the number of users on a port
	AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC
	SSH v2.0
	HTTPS
	CPU defense
	Blacklist and whitelist
	IEEE 802.1x authentication, MAC address authentication
	DHCPv4 client/relay/server/snooping
	DHCPv6 client/relay
	Attack source tracing and punishment for IPv6 packets such as ND, DHCPv6
Management and maintenance	iStack
	Cloud management based on Netconf/Yang
	Virtual cable test
	SNMP v1/v2c/v3
	RMON
	Web-based NMS
	System logs and alarms of different levels
	802.3az EEE
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)

Hardware Specifications

Hardware specifications of the CloudEngine S5735-S24T4XE-V2/S24P4XE-V2/S24U4XE-V2 models

Item		CloudEngine S5735-S24T4XE-V2	CloudEngine S5735-S24P4XE-V2	CloudEngine S5735-S24U4XE-V2
Physical specifications	Dimensions (H x W x D, mm)	43.6 mm x 442 mm x 420 mm	43.6 mm x 442 mm x 420 mm	43.6 mm x 442 mm x 420 mm
	Chassis height	1 U	1 U	1 U
	Chassis weight (including	11.34 kg	11.98 kg	12.28 kg

Item		CloudEngine S5735-S24T4XE-V2	CloudEngine S5735-S24P4XE-V2	CloudEngine S5735-S24U4XE-V2
	packaging)			
Fixed port	GE port	24	24(PoE+)	24(PoE++)
	GE SFP port	NA	NA	NA
	10GE SFP+ port	4	4	4
	Dedicated 12GE stack port	2	2	2
Management port	Console port (RJ45)	Supported	Supported	Supported
	USB port	USB 2.0	USB 2.0	USB 2.0
CPU	Frequency	1.1 GHz	1.1 GHz	1.1 GHz
	Cores	2	2	2
Storage	Memory (RAM)	2 GB	2 GB	2 GB
	Flash memory	1 GB in total. To view the available flash memory size, run the display	1 GB in total. To view the available flash memory size, run the display	1 GB in total. To view the available flash memory size, run the display
Power supply system	Power supply type	180 W AC (pluggable) 1200 W DC (pluggable)	600 W PoE AC (pluggable) 1000 W PoE AC (pluggable) 1000 W PoE DC (pluggable)	600 W PoE AC (pluggable) 1000 W PoE AC (pluggable) 1000 W PoE DC (pluggable)
	Power supply redundancy	1+1	1+1+1	1+1+1
	Rated voltage range	- AC input: 100 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC	- AC input: 100 V AC to 130 V, 200 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC	- AC input: 100 V AC to 130 V, 200 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC
	Maximum voltage range	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC - DC input: -38.4 V DC to -72 V DC	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC - DC input: -38.4 V DC to -72 V DC	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC - DC input: -38.4 V DC to -72 V DC
	Maximum input current	180 W AC: 3 A 1200 W DC: 38 A	600 W PoE AC: 100V AC~130V AC & 200V AC~240V AC: 8 A 240V DC: 4 A	600 W PoE AC: 100V AC~130V AC & 200V AC~240V AC: 8 A 240V DC: 4 A

Item		CloudEngine S5735-S24T4XE-V2	CloudEngine S5735-S24P4XE-V2	CloudEngine S5735-S24U4XE-V2
			1000 W PoE AC: 100V AC~130V AC: 12 A 200V AC~240V AC: 8 A 240V DC: 8 A 1000 W PoE DC: 30 A	1000 W PoE AC: 100V AC~130V AC: 12 A 200V AC~240V AC: 8 A 240V DC: 8 A 1000 W PoE DC: 30 A
	Maximum power consumption of the device	52 W (2 *180W AC) 81 W (2* 1200W DC)	80W (without PD) 925W(with PD,PD Power consumption of :840W)	76W (without PD) 2596W(with PD,PD Power consumption of :2268W)
	Typical power consumption	33.6 W	39.28 W	44.9 W
	Power consumption in the case of 100% traffic load ¹	33.6 W	40.45 W	46.9 W
Heat dissipation system	Heat dissipation mode	Air-cooled heat dissipation and intelligent speed adjustment	Air-cooled heat dissipation and intelligent speed adjustment	Air-cooled heat dissipation and intelligent speed adjustment
	Number of fan modules	1	2	2
	Airflow	Air intake from left, front, and right and air exhaust from rear	Air intake from left, front, and right and air exhaust from rear	Air intake from left, front, and right and air exhaust from rear
	Maximum heat dissipation of the device (BTU/hour)	177.43 (2 *180W AC) 276.38 (2* 1200W DC)	- Without PDs: 272.97 - With PDs: 3156.19	- Without PDs: 259.32 - With PDs: 8857.81
Environment parameters	Long-term operating temperature	0-1800 m altitude: 0°C to +50°C 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.	0-1800 m altitude: 0°C to +50°C 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.	0-1800 m altitude: 0°C to +50°C 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.
	Short-term operating temperature ³	NA	NA	NA
	Storage temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
	Relative humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)	5% to 95% (non-condensing)
	Operating altitude	5000 m	5000 m	5000 m

Item		CloudEngine S5735-S24T4XE-V2	CloudEngine S5735-S24P4XE-V2	CloudEngine S5735-S24U4XE-V2
	Noise under normal temperature (sound power)	47 dB(A)	48.8 dB(A)	3*600W PoE AC 30% load: 50 dB(A) 3*1000W PoE AC 30% load: 49.9 dB(A) 3*100W PoE DC 30% load: 48.5 dB(A)
	Noise under high temperature (sound power)	51 dB(A)	60.9 dB(A)	3*600W PoE AC 30% load: 66.8 dB(A) 3*1000W PoE AC 30% load: 70 dB(A) 3*100W PoE DC 30% load: 68.8 dB(A)
	Noise under normal temperature (sound pressure)	35 dB(A)	36.8 dB(A)	3*600W PoE AC 30% load: 38 dB(A) 3*1000W PoE AC 30% load: 37.9 dB(A) 3*100W PoE DC 30% load: 36.5 dB(A)
	Surge protection specification (RJ45 service port)	±7 kV in common mode	±7 kV in common mode	±7 kV in common mode
	Surge protection specification (power port)	- AC power port: ±6 kV in differential mode, ±6 kV in common mode - DC power port: ±2 kV in differential mode, ±4 kV in common mode	- AC power port: ±6 kV in differential mode, ±6 kV in common mode - DC power port: ±2 kV in differential mode, ±4 kV in common mode	- AC power port: ±6 kV in differential mode, ±6 kV in common mode - DC power port: ±2 kV in differential mode, ±4 kV in common mode
Reliability	MTBF (year) ²	168.93	120.24	92.58
	MTTR (hour)	2	2	2
	Availability	> 0.99999	> 0.99999	> 0.99999
Certification		- EMC certification - Safety certification - Manufacturing certification	- EMC certification - Safety certification - Manufacturing certification	- EMC certification - Safety certification - Manufacturing certification

Hardware specifications of the CloudEngine S5735-S48T4XE-V2/-S48P4XE-V2/-S48U4XE-V2 models

Item		CloudEngine S5735-S48T4XE-V2	CloudEngine S5735-S48P4XE-V2	CloudEngine S5735-S48U4XE-V2
Physical specifications	Dimensions (W x D x H, mm)	43.6 mm x 442 mm x 420 mm	43.6 mm x 442 mm x 420 mm	43.6 mm x 442 mm x 420 mm
	Chassis height	1 U	1 U	1 U

Item		CloudEngine S5735-S48T4XE-V2	CloudEngine S5735-S48P4XE-V2	CloudEngine S5735-S48U4XE-V2
	Chassis weight (including packaging)	11.8 kg	12.83 kg	12.83 kg
Fixed port	GE port	48	48(PoE+)	48(PoE++)
	10GE SFP+ port	4	4	4
	Dedicated 12GE stack port	2	2	2
Management port	Console port (RJ45)	Supported	Supported	Supported
	USB port	USB 2.0	USB 2.0	USB 2.0
CPU	Frequency	1.1 GHz	1.1 GHz	1.1 GHz
	Cores	2	2	2
Storage	Memory (RAM)	2 GB	2 GB	2 GB
	Flash memory	1 GB in total. To view the available flash memory size, run the display	1 GB in total. To view the available flash memory size, run the display	1 GB in total. To view the available flash memory size, run the display
Power supply system	Power supply type	180 W AC (pluggable) 1000 W DC (pluggable)	600 W PoE AC (pluggable) 1000 W PoE AC (pluggable) 1000 W PoE DC (pluggable)	600 W PoE AC (pluggable) 1000 W PoE AC (pluggable) 1000 W PoE DC (pluggable)
	Power supply redundancy	1+1	1+1+1	1+1+1
	Rated voltage range	- AC input: 100 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC	- AC input: 100 V AC to 130 V, 200 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC	- AC input: 100 V AC to 130 V, 200 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC
	Maximum voltage range	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC - DC input: -38.4 V DC to -72 V DC	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC - DC input: -38.4 V DC to -72 V DC	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC - DC input: -38.4 V DC to -72 V DC
	Maximum input current	180 W AC: 3 A 1200 W DC: 38 A	600 W PoE AC: 100V AC~130V AC & 200V AC~240V AC: 8 A 240V DC: 4 A 1000 W PoE AC:	600 W PoE AC: 100V AC~130V AC & 200V AC~240V AC: 8 A 240V DC: 4 A 1000 W PoE AC:

Item		CloudEngine S5735-S48T4XE-V2	CloudEngine S5735-S48P4XE-V2	CloudEngine S5735-S48U4XE-V2
			100V AC~130V AC: 12 A 200V AC~240V AC: 8 A 240V DC: 8 A 1000 W PoE DC: 30 A	100V AC~130V AC: 12 A 200V AC~240V AC: 8 A 240V DC: 8 A 1000 W PoE DC: 30 A
	Maximum power consumption of the device	65 W (2 *180W AC) 93 W (2* 1200W DC)	84 W (without PD) 1950 W(with PD,PD Power consumption of :1680 W)	84 W (without PD) 3134 W(with PD,PD Power consumption of :2880 W)
	Typical power consumption	42 W	53 W	53 W
	Power consumption in the case of 100% traffic load ¹	43 W	55 W	55 W
Heat dissipation system	Heat dissipation mode	Air-cooled heat dissipation and intelligent speed adjustment	Air-cooled heat dissipation and intelligent speed adjustment	Air-cooled heat dissipation and intelligent speed adjustment
	Number of fan modules	2	2	2
	Airflow	Air intake from left, front, and right and air exhaust from rear	Air intake from left, front, and right and air exhaust from rear	Air intake from left, front, and right and air exhaust from rear
	Maximum heat dissipation of the device (BTU/hour)	221.79 (2 *180W AC) 317.33 (2* 1200W DC)	- Without PDs: 286.62 - With PDs: 6653.60	- Without PDs: 286.62 - With PDs: 10693.52
Environment parameters	Long-term operating temperature	0-1800 m altitude: 0°C to +50°C 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.	0-1800 m altitude: 0°C to +50°C 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.	0-1800 m altitude: 0°C to +50°C 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.
	Short-term operating temperature ³	NA	NA	NA
	Storage temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
	Relative humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)	5% to 95% (non-condensing)
	Operating altitude	5000 m	5000 m	5000 m
	Noise under normal	41.9 dB(A)	3*600W PoE AC 30% load: 50 dB(A)	3*600W PoE AC 30% load: 50 dB(A)

Item		CloudEngine S5735-S48T4XE-V2	CloudEngine S5735-S48P4XE-V2	CloudEngine S5735-S48U4XE-V2
	temperature (sound power)		3*1000W PoE AC 30% load: 49.9 dB(A) 3*100W PoE DC 30% load: 48.5 dB(A)	3*1000W PoE AC 30% load: 49.9 dB(A) 3*100W PoE DC 30% load: 48.5 dB(A)
	Noise under high temperature (sound power)	58.6 dB(A)	3*600W PoE AC 30% load: 66.8 dB(A) 3*1000W PoE AC 30% load: 70 dB(A) 3*100W PoE DC 30% load: 68.8 dB(A)	3*600W PoE AC 30% load: 66.8 dB(A) 3*1000W PoE AC 30% load: 70 dB(A) 3*100W PoE DC 30% load: 68.8 dB(A)
	Noise under normal temperature (sound pressure)	29.9 dB(A)	3*600W PoE AC 30% load: 38 dB(A) 3*1000W PoE AC 30% load: 37.9 dB(A) 3*100W PoE DC 30% load: 36.5 dB(A)	3*600W PoE AC 30% load: 38 dB(A) 3*1000W PoE AC 30% load: 37.9 dB(A) 3*100W PoE DC 30% load: 36.5 dB(A)
	Surge protection specification (RJ45 service port)	±7 kV in common mode	±6 kV in common mode	±7 kV in common mode
	Surge protection specification (power port)	- AC power port: ±6 kV in differential mode, ±6 kV in common mode - DC power port: ±2 kV in differential mode, ±4 kV in common mode	- AC power port: ±6 kV in differential mode, ±6 kV in common mode - DC power port: ±2 kV in differential mode, ±4 kV in common mode	- AC power port: ±6 kV in differential mode, ±6 kV in common mode - DC power port: ±2 kV in differential mode, ±4 kV in common mode
Reliability	MTBF (year) ²	124.62	79.02	73.29
	MTTR (hour)	2	2	2
	Availability	> 0.99999	> 0.99999	> 0.99999
Certification		- EMC certification - Safety certification - Manufacturing certification	- EMC certification - Safety certification - Manufacturing certification	- EMC certification - Safety certification - Manufacturing certification

NOTE

1: The power consumption under different load conditions is calculated according to the ATIS standard. Additionally, the EEE function is enabled and there is no PoE power output.

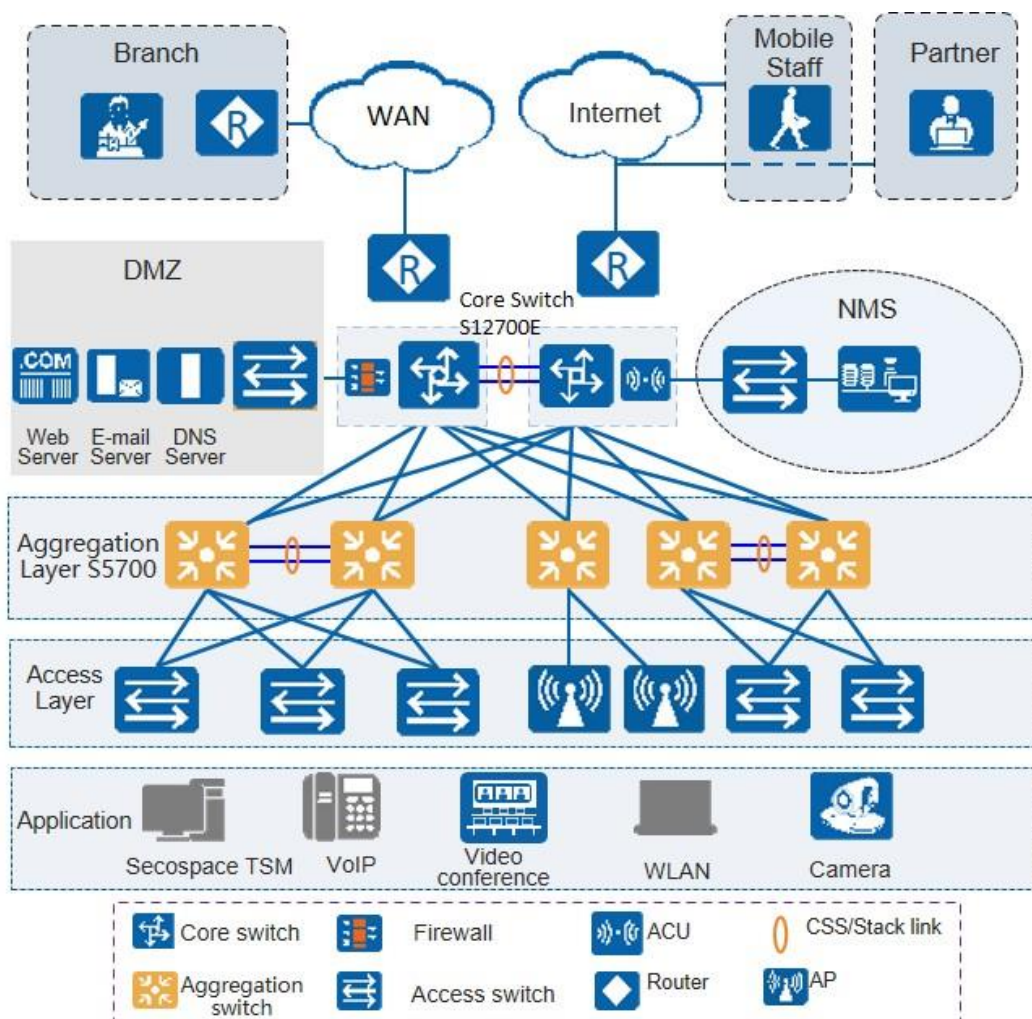
2: The reliability parameter values are calculated based on the typical configuration of the device. The parameter values vary according to the modules configured by the customer.

3: Short term indicates that the successive operating time is no more than 96 hours, the total operating time is no more than 360 hours, or the number of times the operating temperature is over 45° C is no more than 15 in a year.

Networking and Applications

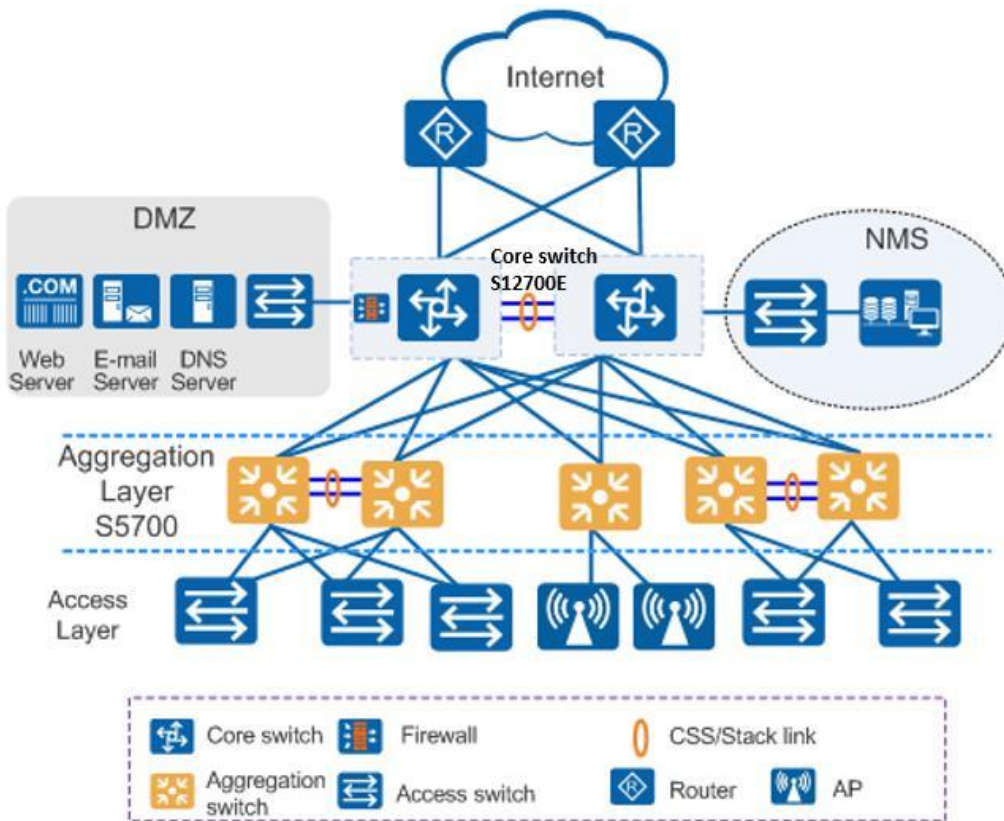
Large-Scale Enterprise Campus Network

CloudEngine S5735-S-V2 series switches can be deployed at the access layer of a campus network to build a high-performance and highly reliable enterprise network.



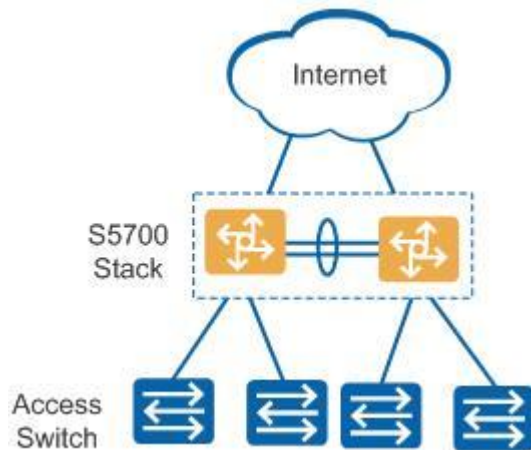
Small- or Medium-scale Enterprise Campus Network

CloudEngine S5735-S-V2 series switches can be deployed at the aggregation layer of a campus network to build a high-performance, multi-service, and highly reliable enterprise network.



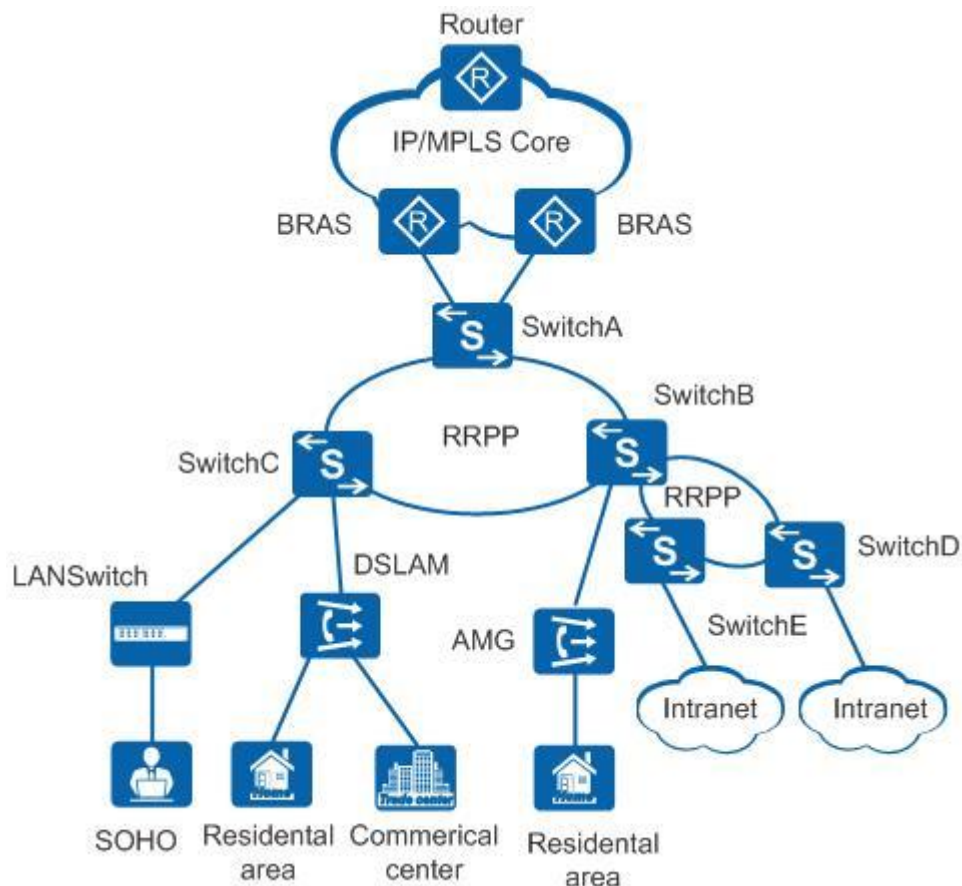
Small-scale Enterprise Campus Network

With powerful aggregation and routing capabilities of CloudEngine S5735-S-V2 series switches make them suitable for use as core switches in a small-scale enterprise network. Two or more S5735-S-V2 switches use iStack technology to ensure high reliability. They provide a variety of access control policies to achieve centralized management and simplify configuration.



Application on a MAN

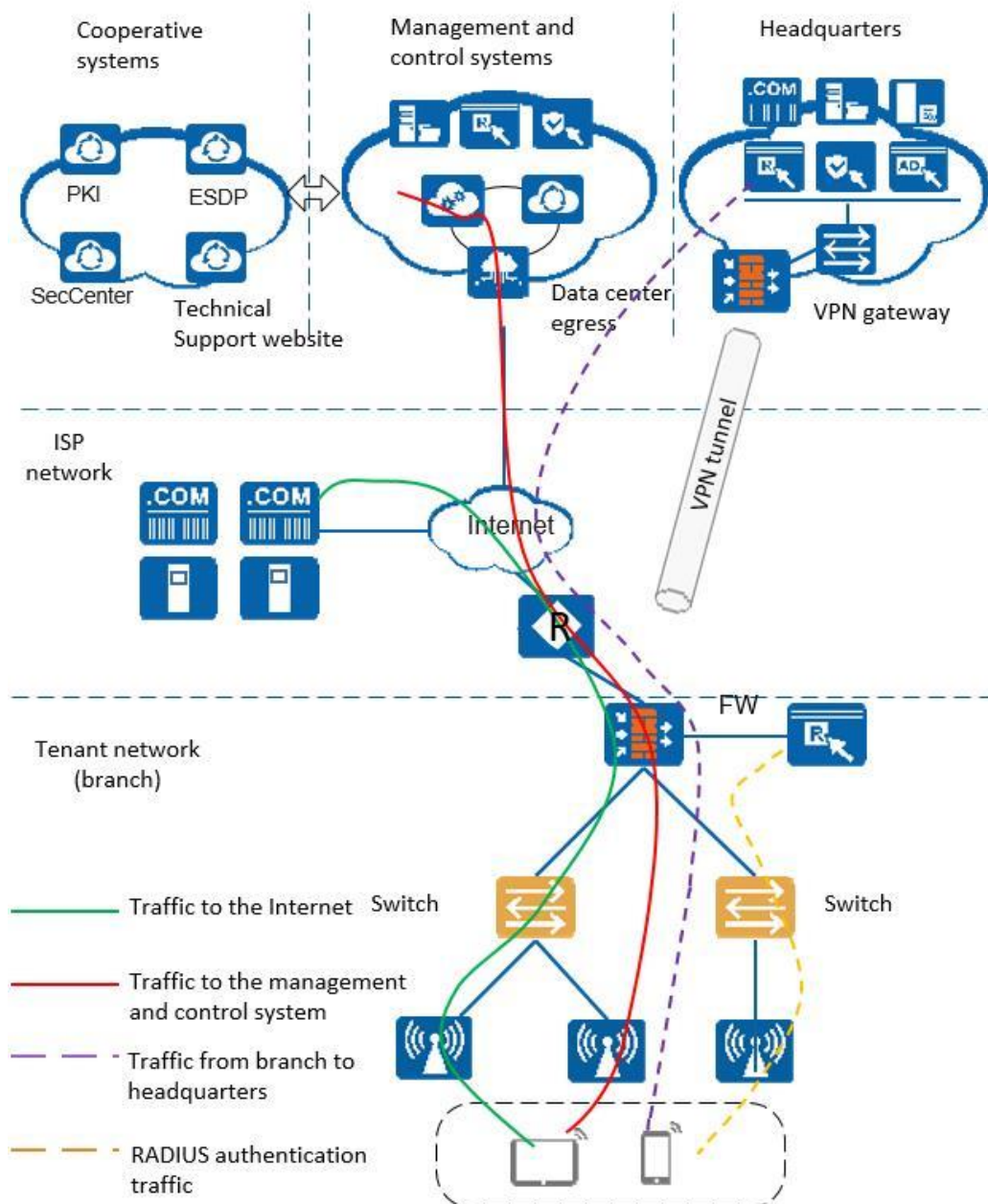
CloudEngine S5735-S-V2 series switches can be deployed at the access layer of a MAN (Metropolitan Area Network) to build a high-performance, multi-service, and highly reliable ISP MAN network.



Application in Public Cloud

CloudCampus Solution is a network solution suite based on Huawei public cloud. CloudEngine S5735-S-V2 series switches can be located at the access layer.

The switches are plug-and-play. They go online automatically after being powered on and connected with network cables, without the need for complex configurations, and use bidirectional certificate authentication to ensure management channel security. The switches provide the NETCONF and YANG interfaces, through which the management and control system delivers configurations to them. In addition, remote maintenance and fault diagnosis can be performed on the management and control system.



Safety and Regulatory Compliance

Certification Category	Description
Safety	• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1 • CNS 14336-1 • IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

Certification Category	Description
Electromagnetic Compatibility (EMC)	• CISPR22 Class A • CISPR24 • EN55022 Class A • EN55024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • VCCI Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 21 • ITU-T K 44 • CNS13438
Environment	• RoHS • REACH • WEEE

NOTE

- EMC: electromagnetic compatibility
- CISPR: International Special Committee on Radio Interference
- EN: European Standard
- ETSI: European Telecommunications Standards Institute
- CFR: Code of Federal Regulations
- FCC: Federal Communication Commission
- IEC: International Electrotechnical Commission
- AS/NZS: Australian/New Zealand Standard
- VCCI: Voluntary Control Council for Interference
- UL: Underwriters Laboratories
- CSA: Canadian Standards Association
- IEEE: Institute of Electrical and Electronics Engineers
- RoHS: restriction of the use of certain hazardous substances
- REACH: Registration Evaluation Authorization and Restriction of Chemicals
- WEEE: Waste Electrical and Electronic Equipment

MIB and Standards Compliance

Supported MIBs

Category	MIB
Public MIB	• BRIDGE-MIB • DISMAN-NSLOOKUP-MIB • DISMAN-PING-MIB • DISMAN-TRACEROUTE-MIB • ENTITY-MIB

Category	MIB
	• EtherLike-MIB • IF-MIB • IP-FORWARD-MIB • IPv6-MIB • LAG-MIB • LLDP-EXT-DOT1-MIB • LLDP-EXT-DOT3-MIB • LLDP-MIB • NOTIFICATION-LOG-MIB • NQA-MIB • OSPF-TRAP-MIB • P-BRIDGE-MIB • Q-BRIDGE-MIB • RFC1213-MIB • RIPv2-MIB • RMON-MIB • SAVI-MIB • SNMP-FRAMEWORK-MIB • SNMP-MPD-MIB • SNMP-NOTIFICATION-MIB • SNMP-TARGET-MIB • SNMP-USER-BASED-SM-MIB • SNMPv2-MIB • TCP-MIB • UDP-MIB
Huawei-proprietary MIB	• HUAWEI-AAA-MIB • HUAWEI-ACL-MIB • HUAWEI-ALARM-MIB • HUAWEI-ALARM-RELIABILITY-MIB • HUAWEI-BASE-TRAP-MIB • HUAWEI-BRAS-RADIUS-MIB • HUAWEI-BRAS-SRVCFG-EAP-MIB • HUAWEI-BRAS-SRVCFG-STATICUSER-MIB • HUAWEI-CBQOS-MIB • HUAWEI-CDP-COMPLIANCE-MIB • HUAWEI-CONFIG-MAN-MIB • HUAWEI-CPU-MIB • HUAWEI-DAD-TRAP-MIB • HUAWEI-DC-MIB • HUAWEI-DATASYNC-MIB • HUAWEI-DEVICE-MIB • HUAWEI-DHCPR-MIB • HUAWEI-DHCPS-MIB • HUAWEI-DHCP-SNOOPING-MIB

Category	MIB
	• HUAWEI-DIE-MIB • HUAWEI-DNS-MIB • HUAWEI-DLDP-MIB • HUAWEI-ELMI-MIB • HUAWEI-ERPS-MIB • HUAWEI-ERRORDOWN-MIB • HUAWEI-ENERGYMNGT-MIB • HUAWEI-EASY-OPERATION-MIB • HUAWEI-ENTITY-EXTENT-MIB • HUAWEI-ENTITY-TRAP-MIB • HUAWEI-ETHARP-MIB • HUAWEI-ETHOAM-MIB • HUAWEI-FLASH-MAN-MIB • HUAWEI-FWD-RES-TRAP-MIB • HUAWEI-GARP-APP-MIB • HUAWEI-GTSM-MIB • HUAWEI-HGMP-MIB • HUAWEI-HWTACACS-MIB • HUAWEI-IF-EXT-MIB • HUAWEI-INFOCENTER-MIB • HUAWEI-IPPOOL-MIB • HUAWEI-IPV6-MIB • HUAWEI-ISOLATE-MIB • HUAWEI-L2IF-MIB • HUAWEI-L2MAM-MIB • HUAWEI-L2VLAN-MIB • HUAWEI_LDT-MIB • HUAWEI-LLDP-MIB • HUAWEI-MAC-AUTHEN-MIB • HUAWEI-MEMORY-MIB • HUAWEI-MFF-MIB • HUAWEI-MFLP-MIB • HUAWEI-MSTP-MIB • HUAWEI-MULTICAST-MIB • HUAWEI-NAP-MIB • HUAWEI-NTPV3-MIB • HUAWEI-PERFORMANCE-MIB • HUAWEI-PORT-MIB • HUAWEI-PORTAL-MIB • HUAWEI-QINQ-MIB • HUAWEI-RIPv2-EXT-MIB • HUAWEI-RM-EXT-MIB • HUAWEI-RRPP-MIB • HUAWEI-SECURITY-MIB • HUAWEI-SEP-MIB

Category	MIB
	• HUAWEI-SNMP-EXT-MIB • HUAWEI-SSH-MIB • HUAWEI-STACK-MIB • HUAWEI-SWITCH-L2MAM-EXT-MIB • HUAWEI-SWITCH-SRV-TRAP-MIB • HUAWEI-SYS-MAN-MIB • HUAWEI-TCP-MIB • HUAWEI-TFTPC-MIB • HUAWEI-TRNG-MIB • HUAWEI-XQOS-MIB

NOTE

For more detailed information of MIBs supported by the CloudEngine S5735-S series, visit <https://support.huawei.com/enterprise/en/switches/s5700-pid-6691579?category=reference-guides&subcategory=mib-reference>.

Standard Compliance

Standard Organization	Standard or Protocol
IETF	• RFC 768 User Datagram Protocol (UDP) • RFC 792 Internet Control Message Protocol (ICMP) • RFC 793 Transmission Control Protocol (TCP) • RFC 826 Ethernet Address Resolution Protocol (ARP) • RFC 854 Telnet Protocol Specification • RFC 951 Bootstrap Protocol (BOOTP) • RFC 959 File Transfer Protocol (FTP) • RFC 1058 Routing Information Protocol (RIP) • RFC 1112 Host extensions for IP multicasting • RFC 1157 A Simple Network Management Protocol (SNMP) • RFC 1256 ICMP Router Discovery • RFC 1305 Network Time Protocol Version 3 (NTP) • RFC 1349 Internet Protocol (IP) • RFC 1493 Definitions of Managed Objects for Bridges • RFC 1542 Clarifications and Extensions for the Bootstrap Protocol • RFC 1643 Ethernet Interface MIB • RFC 1757 Remote Network Monitoring (RMON) • RFC 1901 Introduction to Community-based SNMPv2 • RFC 1902-1907 SNMP v2 • RFC 1981 Path MTU Discovery for IP version 6 • RFC 2131 Dynamic Host Configuration Protocol (DHCP) • RFC 2328 OSPF Version 2 • RFC 2453 RIP Version 2 • RFC 2460 Internet Protocol, Version 6 Specification (IPv6) • RFC 2461 Neighbor Discovery for IP Version 6 (IPv6) • RFC 2462 IPv6 Stateless Address Auto configuration • RFC 2463 Internet Control Message Protocol for IPv6 (ICMPv6)

Standard Organization	Standard or Protocol
	• RFC 2474 Differentiated Services Field (DS Field) • RFC 2740 OSPF for IPv6 (OSPFv3) • RFC 2863 The Interfaces Group MIB • RFC 2597 Assured Forwarding PHB Group • RFC 2598 An Expedited Forwarding PHB • RFC 2571 SNMP Management Frameworks • RFC 2865 Remote Authentication Dial In User Service (RADIUS) • RFC 3046 DHCP Option82 • RFC 3376 Internet Group Management Protocol, Version 3 (IGMPv3) • RFC 3513 IP Version 6 Addressing Architecture • RFC 3579 RADIUS Support For EAP • RFC 4271 A Border Gateway Protocol 4 (BGP-4) • RFC 4760 Multiprotocol Extensions for BGP-4 • draft-grant-tacacs-02 TACACS+
IEEE	• IEEE 802.1D Media Access Control (MAC) Bridges • IEEE 802.1p Traffic Class Expediting and Dynamic Multicast Filtering • IEEE 802.1Q Virtual Bridged Local Area Networks • IEEE 802.1ad Provider Bridges • IEEE 802.2 Logical Link Control • IEEE Std 802.3 CSMA/CD • IEEE Std 802.3ab 1000BASE-T specification • IEEE Std 802.3ad Aggregation of Multiple Link Segments • IEEE Std 802.3ae 10GE WEN/LAN Standard • IEEE Std 802.3x Full Duplex and flow control • IEEE Std 802.3z Gigabit Ethernet Standard • IEEE802.1ax/IEEE802.3ad Link Aggregation • IEEE 802.3ah Ethernet in the First Mile • IEEE 802.1ag Connectivity Fault Management • IEEE 802.1ab Link Layer Discovery Protocol • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1w Rapid Spanning Tree Protocol • IEEE 802.1s Multiple Spanning Tree Protocol • IEEE 802.1x Port based network access control protocol • IEEE 802.3af DTE Power via MIDI • IEEE 802.3at DTE Power via the MDI Enhancements
ITU	• ITU SG13 Y.17ethoam • ITU SG13 QoS control Ethernet-Based IP Access • ITU-T Y.1731 ETH OAM performance monitor
ISO	• ISO 10589 IS-IS Routing Protocol
MEF	• MEF 2 Requirements and Framework for Ethernet Service Protection • MEF 9 Abstract Test Suite for Ethernet Services at the UNI • MEF 10.2 Ethernet Services Attributes Phase 2 • MEF 11 UNI Requirements and Framework

Standard Organization	Standard or Protocol
	- MEF 13 UNI Type 1 Implementation Agreement - MEF 15 Requirements for Management of Metro Ethernet Phase 1 Network Elements - MEF 17 Service OAM Framework and Requirements - MEF 20 UNI Type 2 Implementation Agreement - MEF 23 Class of Service Phase 1 Implementation Agreement - XMODEM/YMODEM Protocol Reference

Ordering Information

The following table lists ordering information of the CloudEngine S5735-S-V2 series switches.

Model	Product Description
CloudEngine S5735-S24T4XE-V2	CloudEngine S5735-S24T4XE-V2 (24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports, without power module)
CloudEngine S5735-S24P4XE-V2	CloudEngine S5735-S24P4XE-V2 (24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports, PoE+, without power module)
CloudEngine S5735-S24U4XE-V2	CloudEngine S5735-S24U4XE-V2 (24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports, PoE++, without power module)
CloudEngine S5735-S48T4XE-V2	CloudEngine S5735-S48T4XE (48 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports, without power module)
CloudEngine S5735-S48P4XE-V2	CloudEngine S5735-S48P4XE-V2 (48 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports, PoE+, without power module)
CloudEngine S5735-S48U4XE-V2	CloudEngine S5735-S48U4XE-V2 (48 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports, 2 x 12GE stack ports, PoE++, without power module)
PAC180S12-CN	180 W AC power module, used in Non-PoE models
PDC1K2S12-CE	1200 W DC power module, used in Non-PoE models
PAC600S56-EB	600 W AC PoE power module, used in PoE models
PAC1000S56-EB	1000 W AC PoE power module, used in PoE models
PDC1000S56-EB	1000 W DC PoE power module, used in PoE models
N1-S57S-M-Lic	S57XX-S Series Basic SW, Per Device
N1-S57S-M-SnS1Y	S57XX-S Series Basic SW, SnS, Per Device, 1 Year
N1-S57S-F-Lic	N1-CloudCampus, Foundation, S57XX-S Series, Per Device
N1-S57S-F-SnS1Y	N1-CloudCampus, Foundation, S57XX-S Series, SnS, Per Device, 1 Year
N1-S57S-A-Lic	N1-CloudCampus, Advanced, S57XX-S Series, Per Device
N1-S57S-A-SnS1Y	N1-CloudCampus, Advanced, S57XX-S Series, SnS, Per Device, 1 Year
N1-S57S-FToA-Lic	N1-Upgrade-Foundation to Advanced, S57XX-S, Per Device
N1-S57S-FToA-SnS1Y	N1-Upgrade-Foundation to Advanced, S57XX-S, SnS, Per Device, 1 Year

More Information

For more information about Huawei Campus Switches, visit <http://e.huawei.com> or contact us in the following ways:

- Global service hotline: <http://e.huawei.com/en/service-hotline>
- Logging in to the Huawei Enterprise technical support website: <http://support.huawei.com/enterprise/>
- Sending an email to the customer service mailbox: support_e@huawei.com

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PRODUCT DATA SHEET

UTP Unshielded Cat5 Enhanced 350 Mhz 24 AWG Solid 4PR

Data Transmission and communication cable



Description

- CAT5E 350 MHz 24 AWG SOLID 4PR UTP,
- TIA/EIA 568.2-D, 1000 FT BOX

Application

- LAN/NETWORK Cable
- 10BASE-T through 5GBASE-T Ethernet*
- Power over Ethernet (PoE) – IEEE 802.3af
PoE+ – IEEE 802.3at Type 1 and 2
- ATM and token ring

Features

- Meets or exceeds requirements of ANSI/TIA-568.2-D Category 5e and ISO 11801 2nd Edition Class D channel standards.
- Meets or exceeds requirements of ANSI/TIA-568.2-D and IEC 61156-5 Category 5e component standards.
- Third party tested to Category 5e channel compliance.
- UL Listed E477770
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.

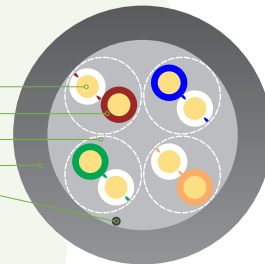
Electrical Characteristics

- Impedance: 1-100MHz 100±15(Ohms).
- Rated Temperature: 75°C.
- DC Resistance Unbalance(%): Max 2.5.
- DC Resistance 20°C: 9.5(Ohms/100m).
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M).
- Insulation Resistance: >5000MΩ*Km.
- Dielectric strength: DC 2500V 2S.
- Nominal Velocity of Propagation: 69%
- Propagation Delay: 350MHZ Max 536ns/100m

Low density polyethylene (LDPE) is recommended for OSP applications. in those cases jacket color is always black for UV resistance and an additional PET layer is extruded over the cable core for a better water-proof performance.

* 5 Gbit/s up to 100m of cat5e on defined use cases and deployment configurations

Copper Conductor
HDPE Insulation
Pair
Jacket
Rip Cord



Conductor

Conductor	Solid Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Order information (Part Number)

NTNC5E



Jacket Color

BU	RD
GY	BK
WH	YC
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	5.1±0.2
C	CM	5.1±0.2
R	CMR	5.1±0.2
L	LSZH	5.1±0.2
E	LDPE	5.1±0.2



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Rev. 01/21

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	NT	Standard	NT	Standard	NT	Standard	NT
1	2.0	2.0	65.3	76.2	62.3	72.3	63.3	74.2
4	4.1	4.0	56.3	65.7	53.3	62.5	52.2	62.0
8	5.8	5.7	51.8	61.5	48.8	58.5	46.0	56.3
10	6.5	6.4	50.3	56.3	47.3	55.1	43.8	50.4
16	8.2	8.0	47.2	51.9	44.2	48.2	39.0	44.5
20	9.3	9.1	45.8	58.7	42.8	56.5	36.5	50.5
25	10.4	10.2	44.3	55.2	41.3	51.6	33.9	46.0
31.25	11.7	11.5	42.9	54.4	39.9	50.4	31.2	44.1
62.5	17.0	16.4	38.4	47.1	35.4	45.2	21.4	32.5
100	22.0	21.1	35.3	47.3	32.3	44.3	13.3	28.7
155	28.1	26.8	32.4	45.9	29.4	40.4	4.3	23.0
200	32.4	30.0	30.8	40.7	27.8	36.8	---	---
300	41.0	37.2	28.1	38.5	25.1	40.1	---	---
350	44.9	40.1	27.1	36.7	24.1	31.6	---	---

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	NT	Standard	NT	Standard	NT	Standard	NT
1	20.0	23.4	63.8	75.4	60.8	73.3	60.3	70.3
4	23.0	29.6	51.8	57.3	48.8	56.5	49.2	58.8
8	24.5	25.0	45.7	49.4	42.7	48.0	43.0	53.3
10	25.0	26.5	43.8	46.6	40.8	45.1	40.8	49.2
16	25.0	26.2	39.7	50.2	36.7	47.2	36.0	40.8
20	25.0	27.0	37.8	45.1	34.8	41.9	33.5	48.3
25	24.3	25.9	35.8	40.0	32.8	38.7	30.9	42.4
31.25	23.6	24.3	33.9	42.5	30.9	41.7	28.2	40.1
62.5	21.5	22.0	27.8	39.1	24.8	34.7	18.4	30.6
100	20.1	23.6	23.8	30.9	20.8	28.2	10.3	25.7
155	18.8	27.0	20.0	31.4	17.0	22.6	1.3	17.5
200	18.0	25.4	17.7	26.0	14.7	22.9	---	---
300	16.8	24.2	14.2	27.7	11.2	17.5	---	---
350	16.3	26.9	12.9	22.3	9.9	17.3	---	---



PRODUCT DATA SHEET

UTP Unshielded Cat6 Enhanced 550 Mhz 23 AWG Solid 4PR



Description

- CAT6E 550 MHz 23AWG SOLID 4PR UTP,
- TIA/EIA 568.2-D, 1000 FT BOX

Application

- LAN/NETWORK Cable
- 10BASE-T through 10GBASE-T Ethernet*
- Power over Ethernet (PoE) – IEEE 802.3af
PoE+ – IEEE 802.3at Type 1 and 2
- ATM and token ring

Features

- Meets or exceeds requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 2nd Edition Class E channel standards.
- Meets or exceeds requirements of ANSI/TIA-568.2-D and IEC 61156-5 Category 6 component standards.
- Meets requirements of IEEE 802.3af and IEEE 802.3 at for PoE applications.
- Third party tested to comply with ANSI/TIA/EIA-568.2-D
- UL Listed E477770
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.

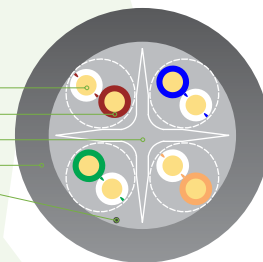
Electrical Characteristics

- Impedance: 1-250MHz 100±15(Ohms).
- Rated Temperature: 75°C.
- DC Resistance Unbalance(%): Max 2.5.
- DC Resistance 20°C: 8.4(Ohms/100m).
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M).
- Insulation Resistance: >5000MΩ*Km.
- Dielectric strength: DC 2500V 2S.
- Nominal Velocity of Propagation: 67%
- Propagation Delay: Max 536ns/100m

Low density polyethylene (LDPE) is recommended for OSP applications. in those cases jacket color is always black for UV resistance and an additional PET layer is extruded over the cable core for a better water-proof performance.

* for 10GBASE-T, an unshielded Cat 6 cable should not exceed 55 meters.

Conductor
HDPE Insulation
Cross Filler
Jacket
Rip Cord



Conductor

Conductor	Solid Bare Copper 23AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Order information (Part Number)

NTNC6E



Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	6.4±0.2
C	CM	6.4±0.2
R	CMR	6.4±0.2
L	LSZH	6.4±0.2
E	LDPE	6.4±0.2



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ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	NT	Standard	NT	Standard	NT	Standard	NT
1	2	1.9	74.3	80.3	72.3	76.6	72.3	78.4
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9
8	5.3	5.1	60.8	66	58.8	65.1	55.5	60.9
10	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4
300	36.4	33.3	37.1	54.2	35.1	53.4	0.7	20.9
400	43	38.6	35.3	53.8	33.3	52.1	---	---
500	48.9	43.9	33.8	51	31.8	49.3	---	---

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	NT	Standard	NT	Standard	NT	Standard	NT
1	20	23.6	67.8	75.6	64.8	73.3	70.3	74.7
4	23	23.9	55.8	61.3	52.8	60.1	59.5	70.5
8	24.5	30	49.7	55.7	46.7	54.8	53.5	60
10	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7
300	16.8	20.8	18.3	26.5	15.3	25.4	---	---
400	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	15.2	18.6	13.8	19.5	10.8	18.7	---	---

PRODUCT DATA SHEET

Surface Mount Boxes

Overview

Nitrotel EngineerPro® Surface Mount Boxes are ideal for use in open office cabling or in areas where surface mount is the only option, allowing Nitrotel EngineerPro® keystone jacks to be mounted on a variety of surfaces, such as standard walls, office furniture, wood or metal surfaces, etc. The attractive design of the product family comprises of 1 and 2 port variants.

Features and Benefits

- Service ID icons
- Cable can be installed from the sides or base of the box
- The boxes shall mount with screws or adhesive tape (included)
- Supplied in easy tear polybags
- Ingenious spring-loaded integral shutter protects the connector from dust and contaminant
- Accepts all EngineerPro® keystone jacks which easily snap in and out

Approvals

ANSI/UL-1863 E475326

Construction

Plastic: ABS
Color: White

Dimensions

1-Port = 2.5 in H x 2.0 in W x 1.0 in D (65mm x 48.2mm x 27mm)
2-Port = 2.5 in H x 3.0 in W x 1.0 in D (65mm x 76.0mm x 27mm)

Order Information

NTMBXXLWH

01	1-Port
02	2-Port



EngineerPro® Unshielded Network Components

180° Punchdown High-density Keystone Jack compatible with Nitrotel EngineerPro® Surface Mount Boxes:

Cat 5E white* NTKJ1805EWHSL
Cat 6 white NTKJ1806EWHSL

*Other colors available upon request

EngineerPro® UTP Patch Cords

Category 5E NTPC5EXX*YY**
Category 6 NTPC6EXX*YY**

* For standard lengths (01, 03, 05, 07, 10, 15 or 20 Ft) change the XX in part number to the desired length.

** For standard cable colors add suffix BU (Blue), WH (White), BK (Black), GR (Green), RD (Red), GY (Gray) or YL (Yellow) after desired length at the end of the part number. For example, the part number for a blue 3 foot patch cord is NTPC5E03BU.

EngineerPro® Category 5E UTP Cable

NTNC5E

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	6.4±0.2
C	CM	6.4±0.2
R	CMR	6.4±0.2
L	LSZH	6.4±0.2
E	LDPE	6.4±0.2



Cat 5E
UTP Cable



Cat 5E
UTP Patch Cord



Keystone Jack
180°



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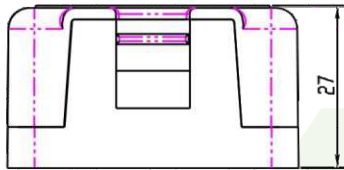


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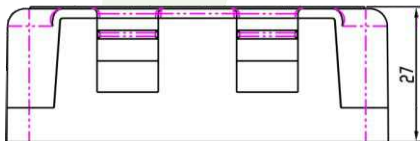
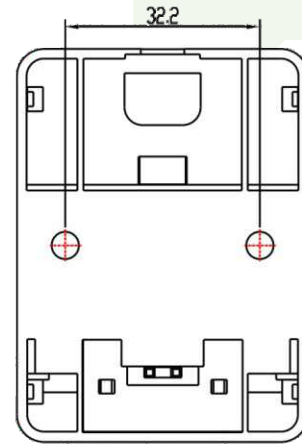
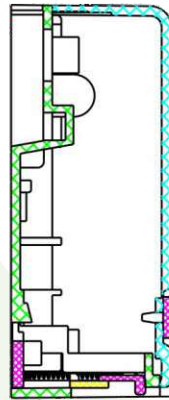
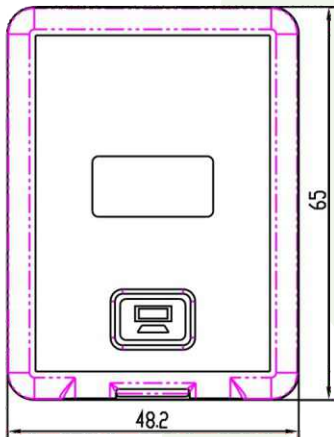


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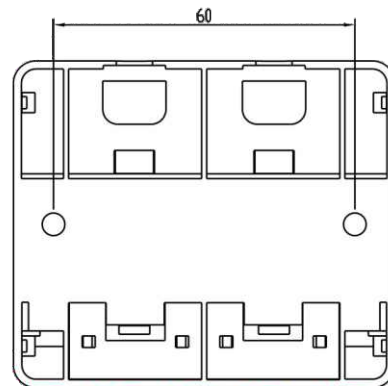
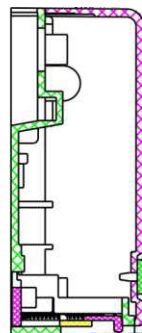
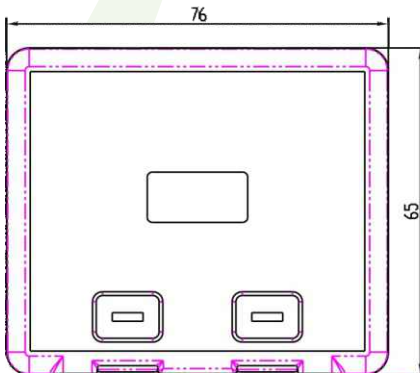
Rev. 01/21



1-Port



2-Port



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Rev. 01/21

PRODUCT DATA SHEET

Single-Gang Face Plate with Icons



Application

Field-configurable face plates accept Nitrotel snap-in modules to support multimedia applications with 1, 2, 3, 4 or 6 ports. Use where a one-piece, single-gang, economical flush-mount housing is desired. Three color choices.

Features

- Jack flush plate.
- 1/2/3/4/6 ports available.
- Various color available.
- Dimensions: 11.4*70.9*5mm.
- Convenient icons for easy identification of voice or data applications.
- Assembly: 19.5mm.
- Description: Flush plate.

Order Information (Part Number)

NTFP		L	
Number of Ports		Color	
01		IV	
02		AL	
03		WH	
05			
06			



NTFP01LWH
Flush Plate



NTFP02LWH
Flush Plate



NTFP03LWH
Flush Plate



NTFP04LWH
Flush Plate



NTFP06LWH
Flush Plate



PRODUCT DATA SHEET

Double-sectioned Wallmount Cabinet Star Series

Feature:

- Double -section wallmount cabinet.
- Tempered glass front door with 180° turning radius rotatable key lock.
- Removable side and rear panels for quick installation of equipment.
- Adjustable front and rear mounting posts conform to different equipment depth requirements. Dual mounting post with #12-24 threaded holes and square holes for cage nuts.
- Ventilated door design for added air flow and cooling.
- Cable entry brush panel on the top cover and knock-outs on the bottom plate.
- Provided with 1 fans with UL cord installed. Additional fan may be provided upon request.
- Easy to wall mount back plate.
- Available in heights from 6u to 23u.
- Fully assembled for quick installation and packaged in a honeycomb carton. Optional space saving flat packaging available upon request.



Standards:

Complies with ANSI/EIA RS-310-D, IEC 297-1, 19" Mounting, IEC297-2 Overall cabinet dimensions, EN 61587DIN41491; PART1, DIN41494; PART7, GB/3047.2-92 standards, UL certified

Material:

SPCC Cold Rolled Steel.

Static Loading Capacity:

NTDWC6U600: 70 kgs
NTDWC9U600: 70 kgs
NTDWC12U600: 75 kgs
NTDWC16U600: 80 kgs
NTDWC20U600: 90 kgs
NTDWC23U600: 95 Kgs

Degree of Protection:

Ip20

Thickness of Steel :

Mounting post: 2 mm, frame: 1.2mm, back panel: 1.5mm, front door frame: 1.2mm,
Others: 1.0mm

Surface treatment:

Degreasing, pickling, phosphoric treatment, powder spraying

Colors option:

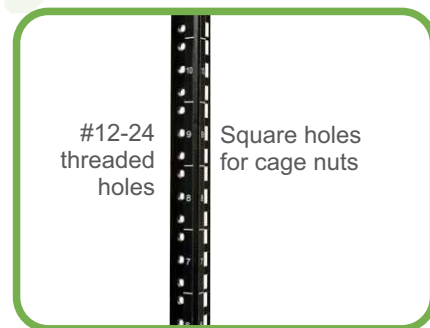
RAL9004/9005 BLACK; Standard Stocking Color

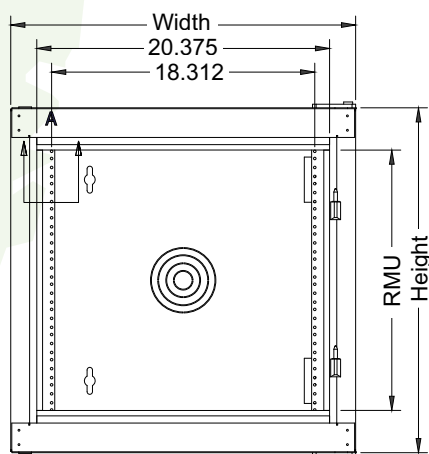
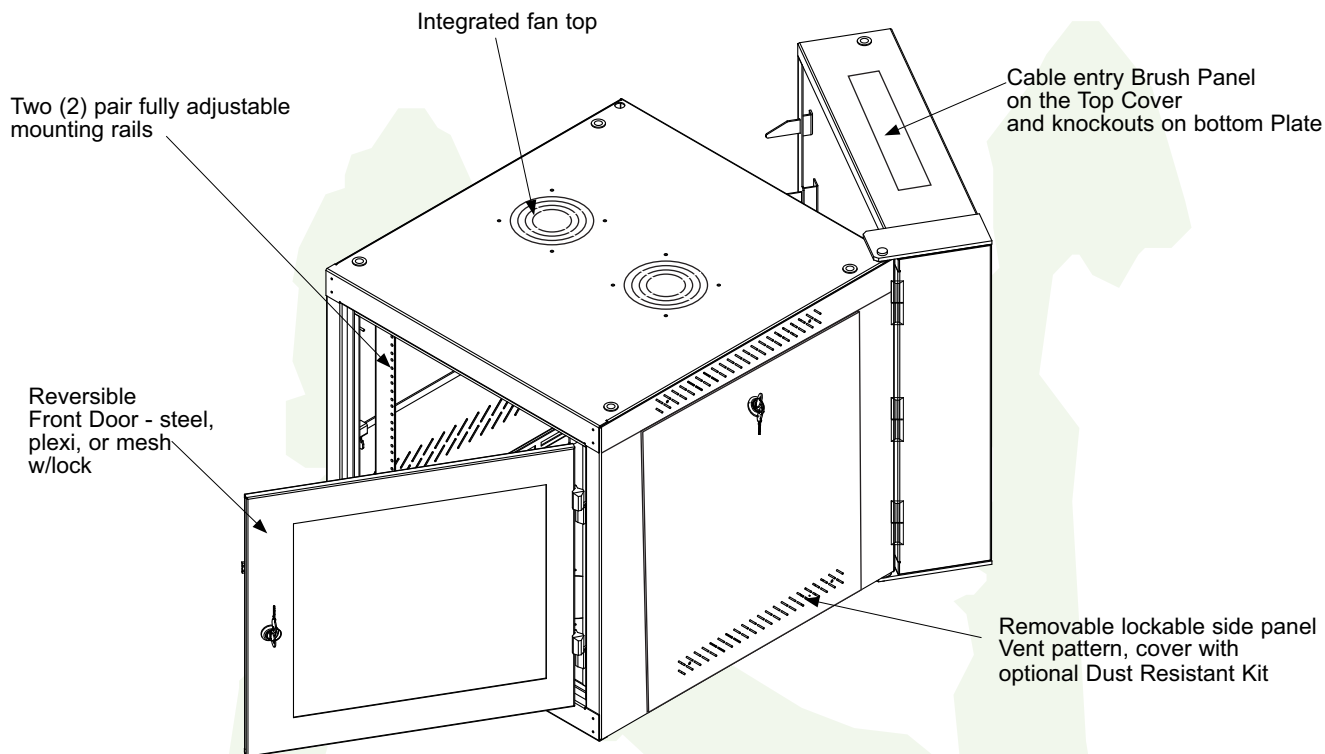
RAL7035 COMPUTER GRAY; Special Order. Lead times may vary.

RAL9010 CREAM WHITE; Special Order. Lead times may vary.

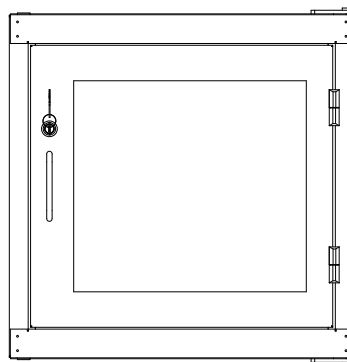
Ordering Information:

Specifications				AWG				
Part Number	RU	Format	Depth	Structure	Top Panel	Front Door	Bottom Panel	Side Panels
NTDWC6U600	6	19"	23"	20	20	20	20	16
NTDWC9U600	9	19"	23"	20	20	20	20	16
NTDWC12U600	12	19"	23"	20	20	20	20	16
NTDWC16U600	16	19"	23"	20	20	20	20	16
NTDWC20U600	20	19"	23"	20	20	20	20	16
NTDWC23U600	23	19"	23"	20	20	20	20	16





Front View
(without door)



Front View
(with door)





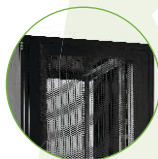
Low Voltage Products & Fiber Optic

SPARK SERIES FREE STAND CABINETS

PRODUCT DATA SHEET

Spark Series Cabinets

Nitrotel Spark Series offer a select line of cabinet solutions that support and protect network devices, rack-mount servers and other applications in telecommunication equipment rooms, data centers and enterprise cabling applications, while providing an optimized space utilization.



KEY FEATURES AND BENEFITS

- Wide range of cabinets designs and industry-standard sizes available for specific thermal applications.
- Two configurations support front-to-rear airflow or noise reduction.
- Innovative vertical split side panels provide superior access to network devices and cabling.
- Fully compatible with 19" rack-mount equipment.
- Exclusive Flat Pack maximizes space utilization for transportation and storage.

PRODUCT DATA SHEET

Spark Series Cabinets

Available in a comprehensive set of industry-standard sizes, Spark Series Cabinets features two configurations that meet most application requirements:

1. Spark Network cabinets with shatter-proof glass front doors and solid rear doors, provides an ideal noise control for structured cabling systems in office environments, call centers and computer rooms, while they can also be deployed in small and medium-size data centers.

2. Spark Server cabinets with perforated front and rear doors allow an exceptional front-to-rear airflow for hot aisle/cold aisle applications in any medium or large size data center. Honeycomb style perforated doors provide maximum exhaust of hot air away from the cabinet to minimize operating costs.

Both configurations feature vertical split side panels for comfortable easy access to the installed devices, cable openings in the top panels that are large enough for high-amperage cables, bottom plates with sliding cable entry paths to block dust inlet and silk-screened adjustable mounting rails to easily count U-marking from top to down/down to top.

SPECIFICATIONS

	Spark Network	Spark Server
Includes	Welded front and rear monoblock steel frames, Increase high rigidity	
	Silk-screen equipment mounting rails, two pairs	
	4 fans module. Noise 46db, Air Flow 138/162 m ³ /Hr 82/95 CFM	
	Grounding/bonding system and ground lug	
	Leveling feet	Leveling feet and casters
Equipment Space	See Height, Width and Depth tables under Ordering Information/Dimensions	
Load Capacity	Up to 3000 lb (1360 kg) static load rating to support high-density applications and multiple blade servers	
Certifications	EN 61587 -1:2012 Mechanical Structures for Electronic Equipment, IEC 197-1, 19" Mounting, IEC 297-2 Overall Cabinet Dimensions, ISO 14001, EIA-310-E compliant, ISO 9001-2008, TSE certificate, RoHS Compliant.	
Structure Material	Steel frame, rails, side panels, bottom plate and roof panel.	
Finish	Electrostatic powder coat paint on frame, doors, bottom plate, roof panel and side panels in Black RAL 9005 or Gray RAL 7035	
Environment	For indoor use only, in environmentally controlled areas, not harsh environments.	
Construction	Protection index: IP30 According to EN 61587-1/IEC 60529	
	Welded/bolted frame	
	Mounting rails bolt to frame	
Doors/Lock Kits	Tempered glass front door	Perforated front door
	Solid rear door	Choice of solid or double perforated rear door
	Shatter-proof glass front door	Perforated area is 80% or 63% open
	Solid rear door includes a barrel lock	Double rear door includes 3 points lock system
	Front door opens to 120°	
	Rear door opens to 120°	Rear double door opens to 120°
	Hinge pins allow easy removal during maintenance	
	Reversible to open from the right or left, must change swing lock position	
	Interchangeable front or rear	
	Swing handle with keyed lock	
Side Panels	Solid, two-piece panels (vertical split design)	
	Recessed spring-loaded latch with barrel lock, keyed to match doors	
Top Panel	Panels with cable openings and/or perforations available upon client request	
	Standard panel is one-piece solid panel. Top panel shall be compatible with 4-fans cooling unit for D: 600/800mm cabinets and 6-fans cooling unit for D: 1000mm or deeper.	
Bottom Panel	Cutout opening is 300 mm x 56mm, wide enough for large amperage cables	
	Standard panel is one-piece solid panel. Panel shall have sliding cable entry paths with dimensions 300mm x 125mm (1ea for 600mm x 600mm, 2ea 600mm x 800mm and 600mm x 1000mm)	
Grounding/Bonding	Side panels and doors are electrically bonded to the cabinet frame	
Equipment Support	Optional copper grounding bar for mounting rails upon customer request	
	Two pairs of mounting rails	
	Adjustable depth, horizontal joint rails front-to-back	
	44.45mm U spacing, silk-screen market and number on mounting rails	
	EIA-310-E Universal 15.9mm-15.9mm-12.7mm vertical hole spacing	
	Square-punched mounting holes accept standard cage nuts	

Spark Series knock-down cabinets come in a compact flat-pack design which allows an easier handling of the cabinets into places with difficult access, such as halls, narrow entrances, stairs or elevator doors.

Create a cabinet solution that fits your needs by selecting Nitrotel compatible shelves, PDUs and cable management accessories. Contact Nitrotel Technical Support for configuration assistance.

PRODUCT DATA SHEET

Spark Series Cabinets

Front Door

The front door is designed to provide security with lock mechanism and aesthetic view together. Spark series network cabinets have full-length smoked and shatter proof glass front door with left & right frames, while Spark series server cabinets have 80% perforated front door. Both options easily rotate to the left or right directions by special spring hinge. 3-points and single point locking systems are available upon customer requirements.

Side Panel

Solid metal side panels offer easy access with lockable and removable structure. Completed with 2 pcs of sliding latches and 1 pc barrel lock.

Bottom Plate

Bottom plate provides easy cable management with its large internal volume cable entry path with sliding cover 300x125mm (2 cable entry paths for depth: 800mm & 1000mm cabinets)

Rear Door

Single opening rear door with spring hinge and barrel lock for network cabinet & double opening rear door with 3-points locking system for server cabinets.

Front and rear welded frames

Welded main carrier frames provide an excellent robustness for a comfortable storage. Each frame has a total of 24 folds, which increases structural stability. Spark series rack cabinets provides a safe housing for your network. Its steel construction supports a high load carrying capacity up to 1360kg

19" Mounting Angles

The vertical mounting rails are adjustable throughout the entire depth of the cabinet and have very high carrying capacity with 1.5mm thickness. Silk-screen mounting rails are providing ability to count U-Marking from top to down & down to up for easy device installation

80% perforated
Metal Door



63% perforated
Metal Door



Solid Metal Door



Glazed Door



80% perforated
Metal Door



63% perforated
Metal Door

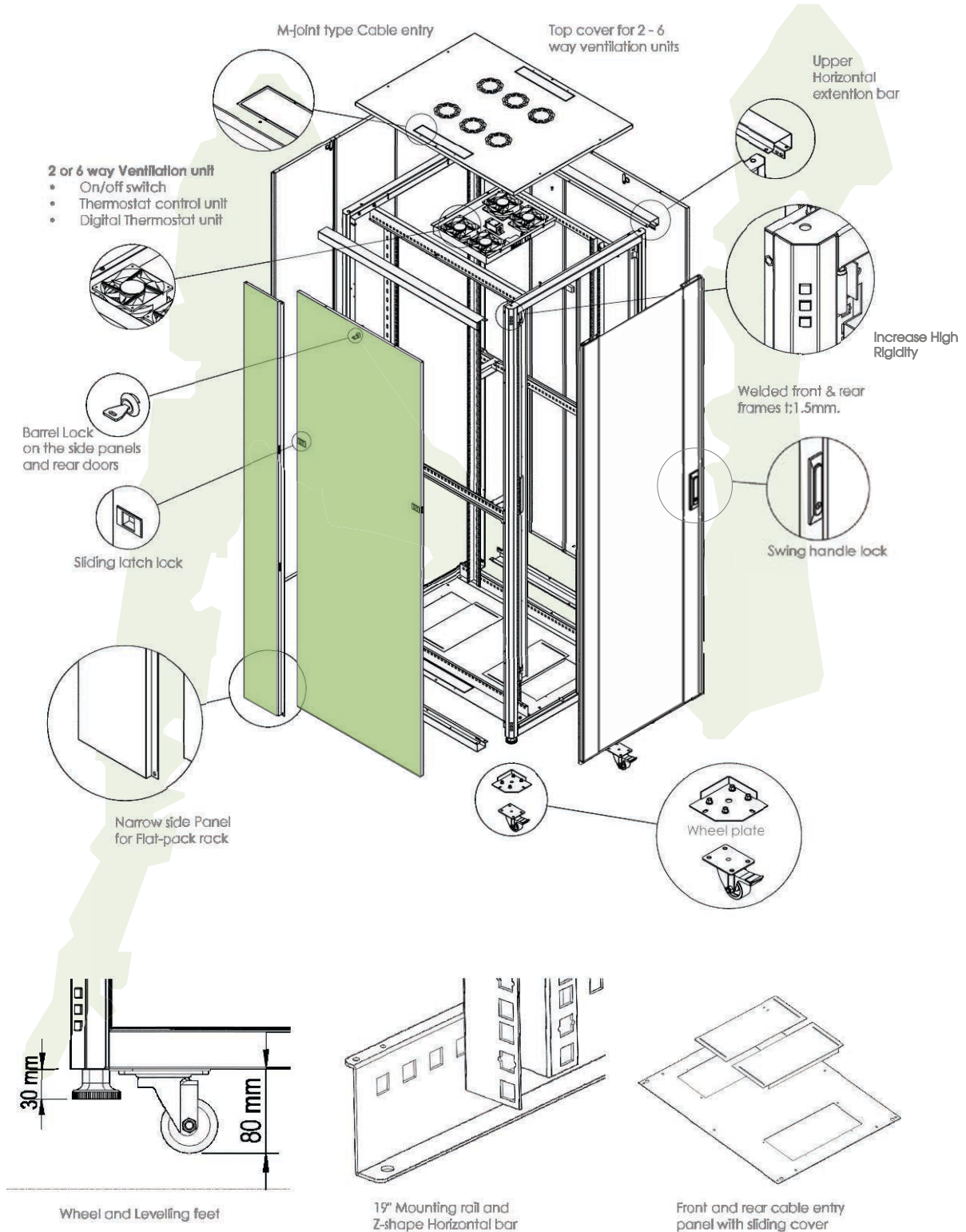


Solid Metal Door



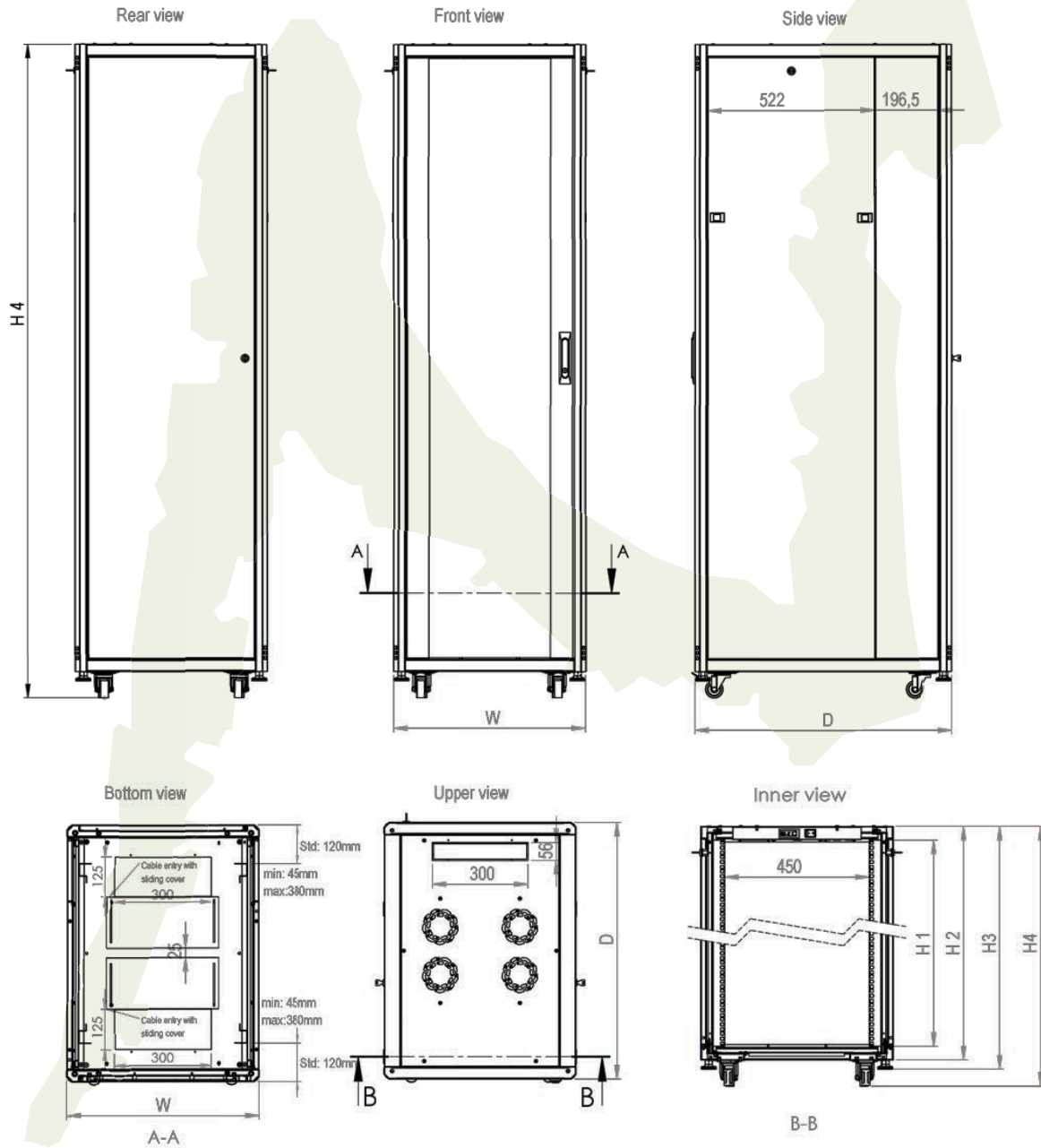
PRODUCT DATA SHEET

Spark Series Cabinets D:800, D:1000, D:1100 & D:1200



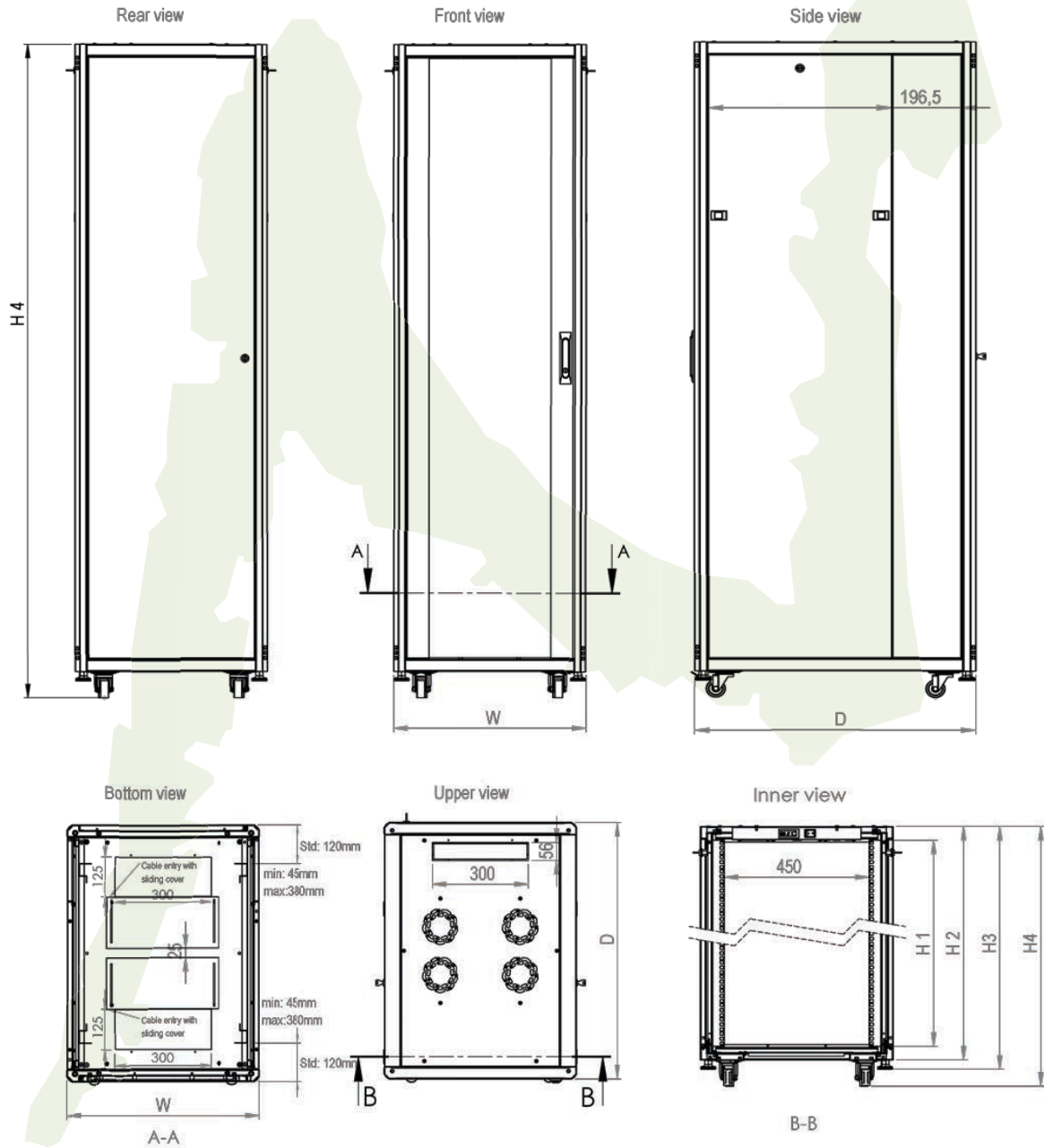
PRODUCT DATA SHEET

Spark Cabinet: W:600 - D:800



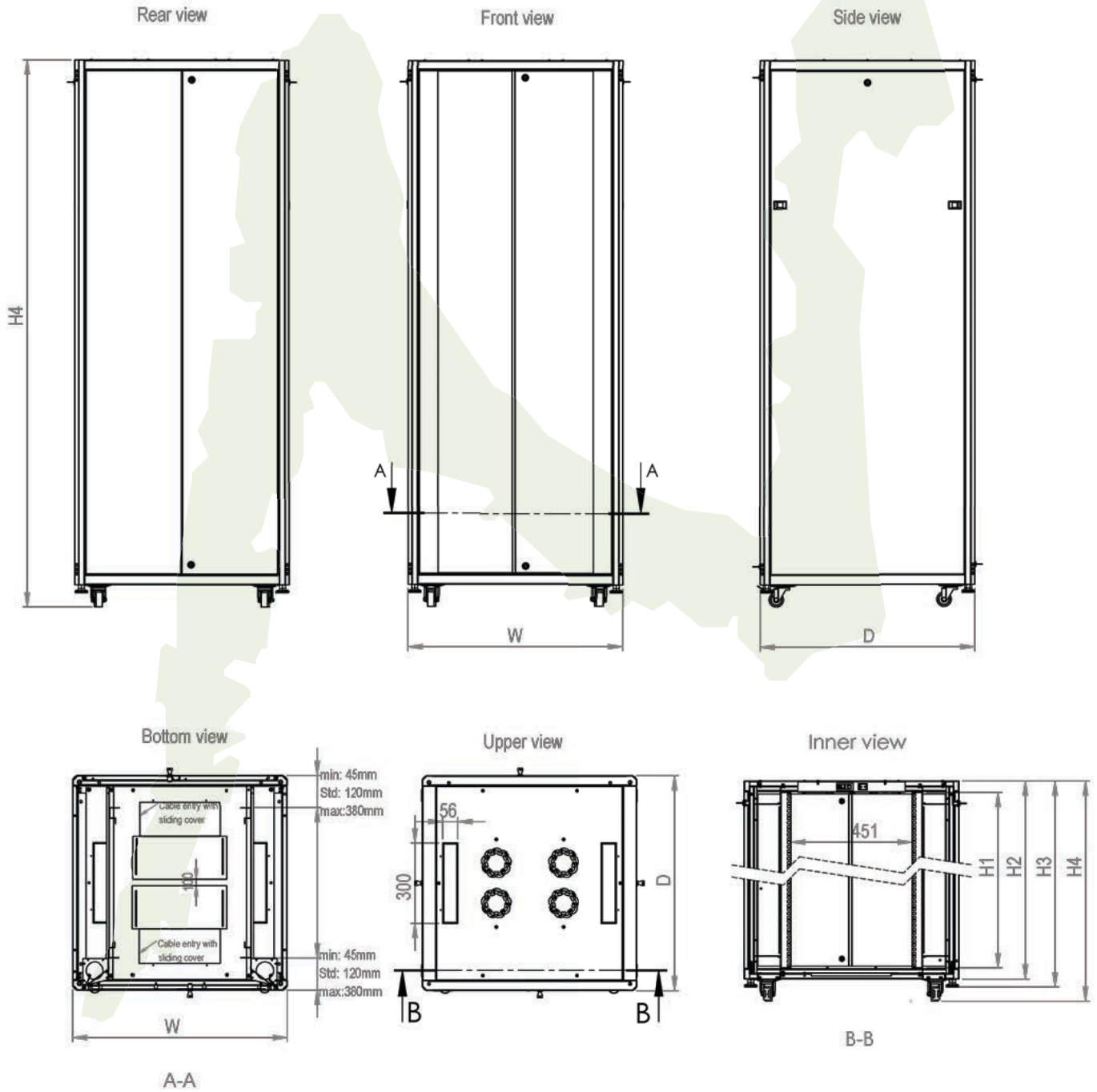
PRODUCT DATA SHEET

Spark Cabinet: W:600 - D:1000



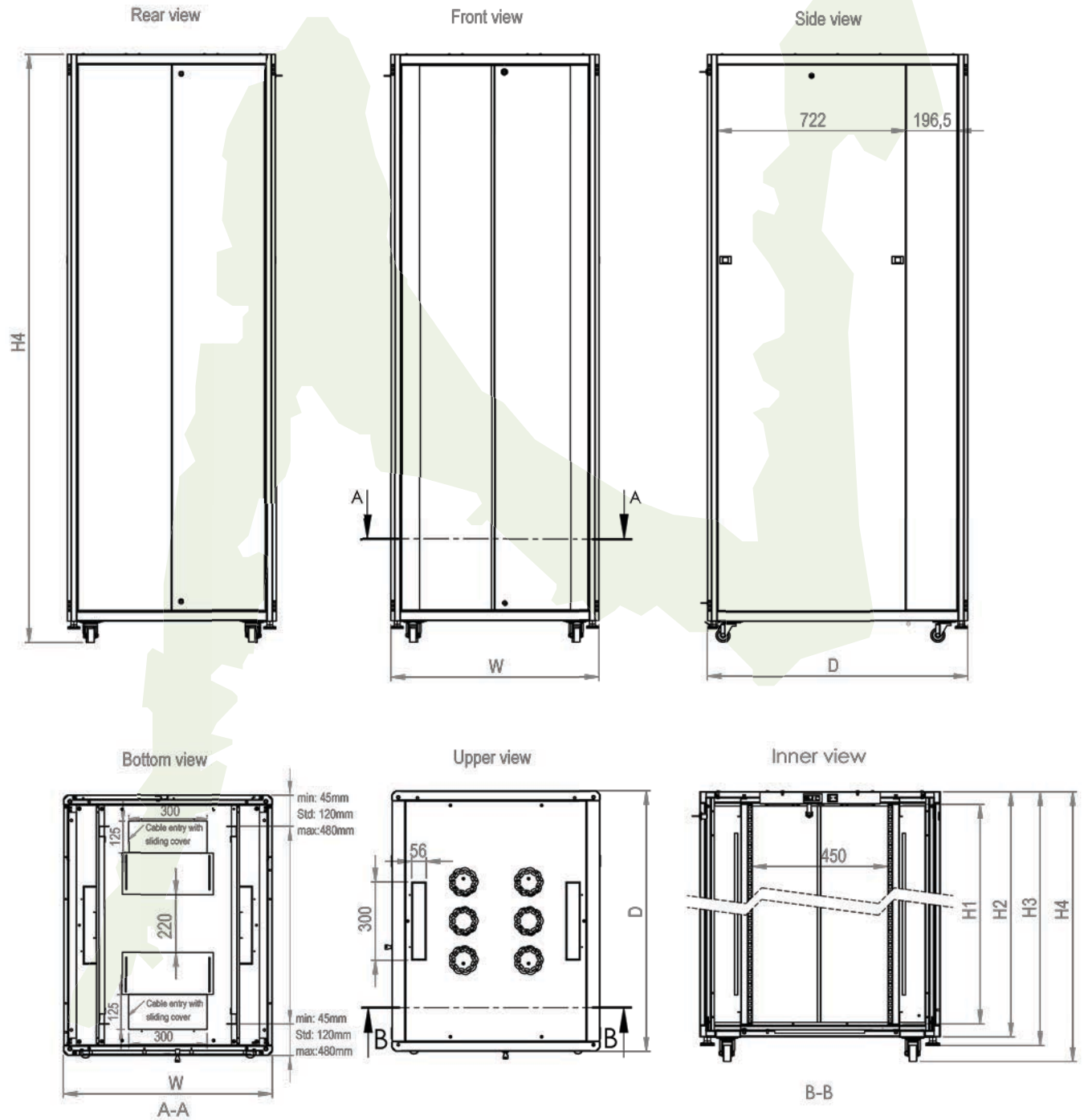
PRODUCT DATA SHEET

Spark Cabinet: W:800 - D:800



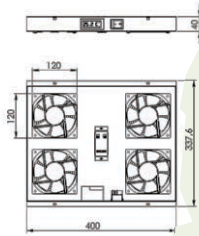
PRODUCT DATA SHEET

Spark Cabinet: W:800 - D:1000



PRODUCT DATA SHEET

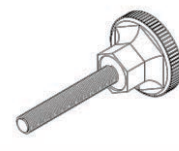
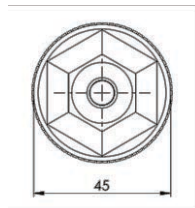
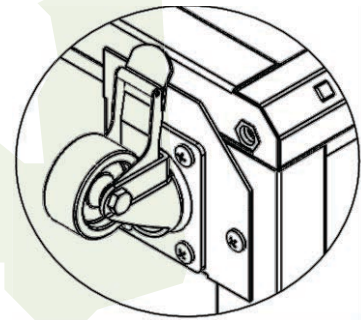
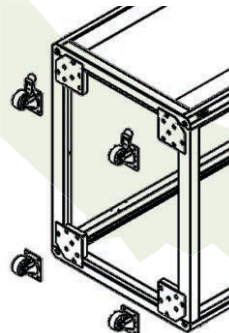
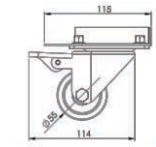
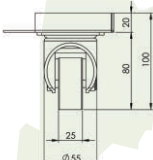
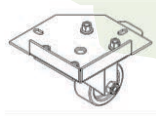
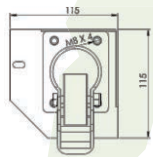
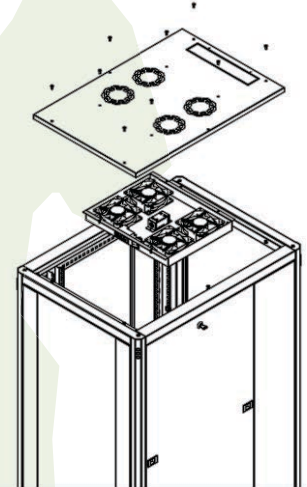
Spark Series Cabinets



Quick-change fan trays that can be accessed without removing the cabling or the device from the rack

Spark serie's roof panel has been designed for ventilation module which can be detached by removing 4 pcs screws from the top in case of maintenance or replacement needs.

Standards: ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD 2006/95/EC), RoHS", Noise 46db , Air FlowM3/Hr 138/162 CFM 82/95.



CASTER SET & LEVELLING FEET

ITEM	DESCRIPTION	INCLUDED IN:
NTCFB30	Spark cabinet castor set of 2 pcs. lockable and rotatable	Server cabinets
NTCF30	Spark cabinet castor set of 2 pcs. rotatable	Server cabinets
NTLFM10	Levelling feet for cabinets (M10)	Server & Network cabinets

PRODUCT DATA SHEET

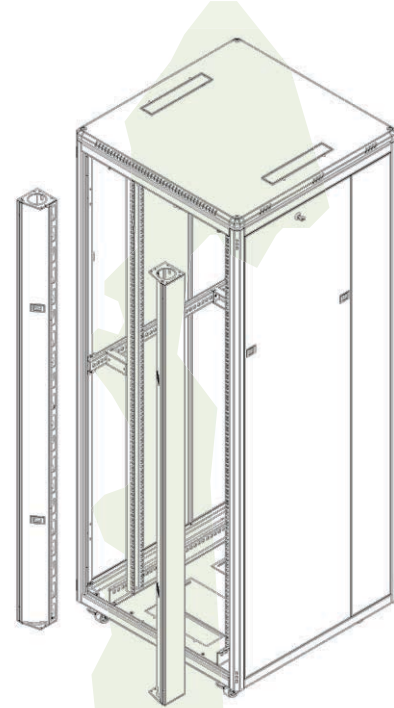
Spark Series Cabinets

Vertical cable management panel

Vertical cable management panel is designed for higher density cabling and connectivity system applications and also offers ease, density, availability, affordability and scalability together.

- Compatible with only width: 800mm rack cabinets (included)
- The vertical cable management panels are adjustable throughout the entire depth of the cabinet with mounting rails.
- Openings between fingers align with each U on the mounting rear
- Hinged cover included with managers, cover snaps closed to secure cables.
- Material: Steel panels, plastic guides and latches.
- Finish: Black or Grey; latches are black.
- Plastic finger type cable managers available upon request.

This well-engineered cable management system offers you a high level of versatility and flexibility for routing and organizing high density cable bundles, KVM and power cables.



Harmonization system codes—HS code

- 8538.10.00.00 : Rack cabinet without accessories
- 85.37.10.99.00.19 : Rack cabinet with accessories

Type of shipping

- Assemble/ Flat-pack

Load carrying capacity

- 1360kg / 3000lbs

Surface treatment

- On flat metal surfaces, there must be 85±5 micron paint thickness and must be tested according to IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-30, IEC 60068-2-42, IEC 60068-2-43, IEC 60068-2-49, IEC 60068-2-11

Standard color

- Ral: 7035 Light gray/ Ral:9005 Black

Shipment configuration

- Front door with glass or perforations 1 set
- Rear door 1ea
- Side panel 2pcs (D: 600mm) or 4 pcs (D: 800 & 1000mm)
- Bottom extension parts 2 pcs
- Upper extension parts 2pcs
- Welded metal frame 2pcs
- C-type rails 2pcs
- 19inch Mounting rail 4pcs
- Bottom plate 1ea
- Roof panel 1ea
- Grounding wire set 1ea
- Screw set 1set
- Swing handle lock 1ea
- Leveling feet 1set - 4pcs
- Casters 1set - 4pcs (server cabinets only)

Packaging

- Wooden pallet 1 ea (ISPM heat treated application)
- Stretch wrapping
- Cardboard
- Plastic strip
- Product label



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Rev. 03/21

LP-XCEPUSXX
8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone®
Compatible Unshielded Jack, 90° IDC.

LPXCEPUSXX_SS_ENB01W

Features

- Fit for CAT 5e general cable distribution system, backward compatible with CAT 5 and CAT 3 systems.
- Compliant with ISO/IEC 11801. 2002 CLASS & ANSI/TIA 568-C.2 CAT 5e T568-A and T568-B punching sequences are both compatible.
- Compliant with IEC 60603-7-4.
- UL® and ULc® certified under number# DUXR.E329018.
- Our standard style allows compatibility with many other brands and systems.
- Unshielded, rugged.
- Connection type FCC connector for RJ45 patch cords and IDC for 4-pair CAT 5e cables.
- High performance copper alloy contacts with 50 microinches of gold plating.
- 750 mating cycles minimum for RJ45.
- 250 mating cycles minimum for IDC.
- Competitively priced.
- Material: ABS UL94V-0.
- Positive latch system.
- UTP capable.
- Compatible with 110 punch down tools.
- Suitable for 23-26 AWG solid and stranded cable.
- Nine (9) vivid colors to choose from.



LP-XCEPUSXX
8000 Series CAT 5e 8P8C RJ45, X-Class
Robotic Manufactured Keystone®
Compatible Unshielded Jack, 90° IDC.

The CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack with 90° IDC are also compatible with our iMC® line of patch panels and flat and angled faceplates.

LanPro has designed them specifically for high speed and bandwidth in excess of 100 MHz. Our modular CAT 5e X-Class Jacks are designed to match our CAT 5e compatible products in a perfect way. All CAT 5e devices are very adaptable to customer changing requirements.

UL® and ULc® certified under number# DUXR.E329018. Our modular CAT 5e X-Class compatible Jacks allow for universal termination, either T568-A or T568-B, and are punch down design 90°, thus offering easiness and flexibility to the installer.

Notice: All our Jacks are also suitable for CAT 3 cabling system. Our traditional jacks have been the industrial standard for the last 20 years.

We have sold hundreds of thousands of them worldwide with a huge success. But products evolve due technology/cost improvements and become obsolete and are replaced by ones with better performance.

We decided to completely redesign the 8000 Series Jacks from scratch and up, with a focus on our customers' complaints, recommendations, and imagination! The new jack is designed to be mechanically stronger. Our most innovative improvement is greater reinforcement surrounding the cable feeder. The jack itself is smaller in size and easier to use. It also includes a narrower RJ45 footprint but maintaining the standard Keystone jack compatibility for the standard fixation to a faceplate or patch panel.

Because the jacks are robotically assembled, there is less human error in the manufacturing process ensuring consistency in product quality.

The new jack is significantly smaller, which makes it ideal for even limited spaces, moreover, with the carved logo and design, counterfeiting is difficult. The locking latch is more flexible and easier to press, but it's still reliable.



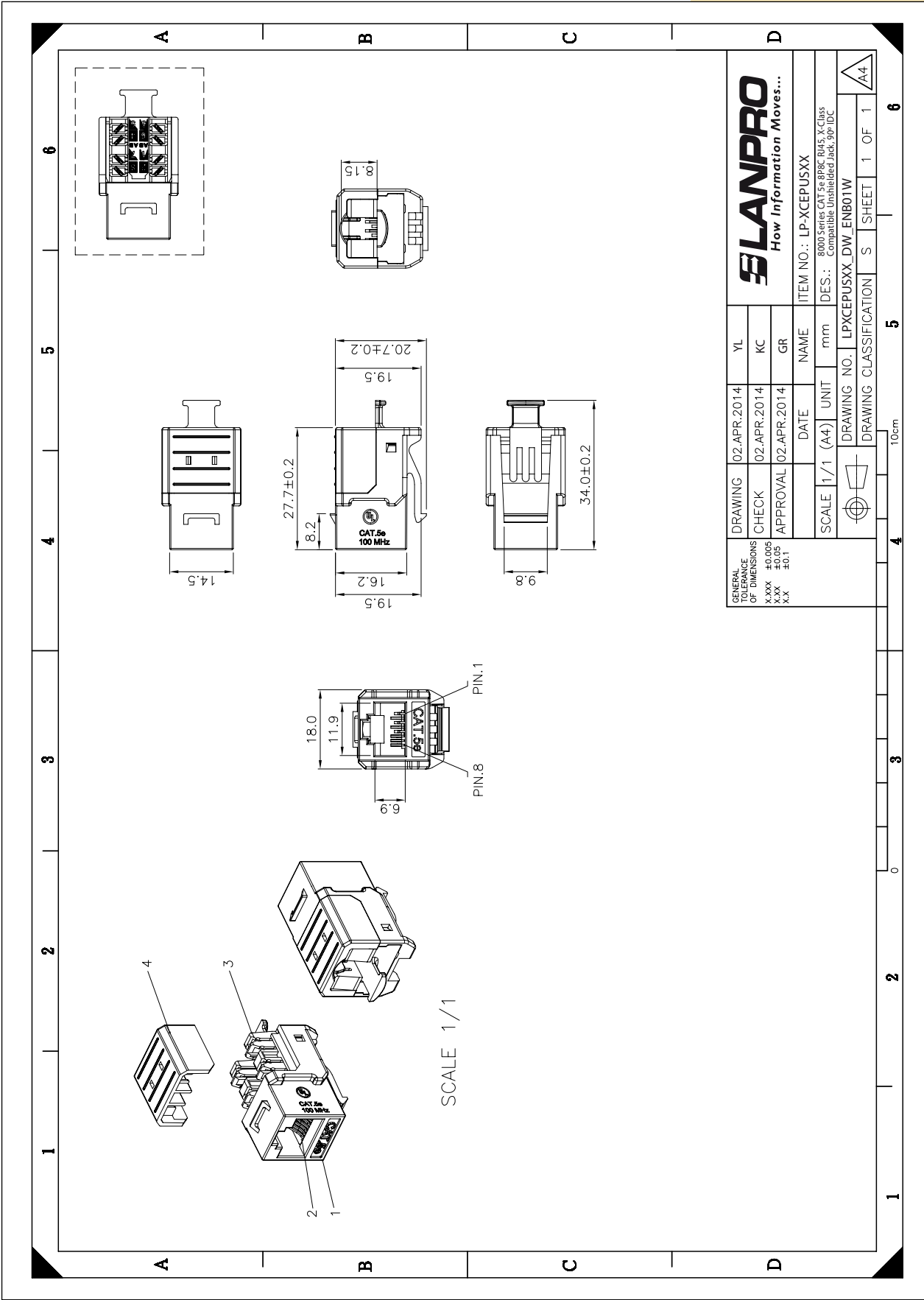
A Specifications:

Material	RJ45 Jack	Housing	ABS + PC, UL 94V-0, with optional Color
		Contact Bracket	PBT + Glasss Fiber, UL 94V-0 with Black Color
	RJ45 Contact	Material	Phosphor Bronze with Nickel Plating
		Finish	50 Microinch Gold Plating on plug contact area
	IDC	Housing	PC + Glass Fiber, Grey Color (RAL7035), UL 94V-2
		Terminales	Phosphor Bronze with Tin Plating
	IDC Cap	PC 1250Y UL 94 V-2, Transparent Black	
PCB	FR4, UL 94V-0		
Performance	T568A & T568B wiring		
	Insertion Force	20N max. (IEC 60603-7-4)	
	Retention Strength	7.7 Kg between Jack and Plug	
	Operating Temperature	-10 °C a 60 °C. (ISO/IEC 11801, ANSI/TIA 568 C.2)	
	Life (Mating Cycles)	Jack	750 Cycles min. (ISO/IEC 11801, IEC 60603-7-4)
		IDC	250 Cycles min. Suitable for 23-26 AWG stranded and solid wire, compatible with 110 punch down tool
	The CAT 5e transmission performance is in compliance with the ANSI/TIA 568C.2 standard		

1	Keystone Jack, CAT 5e, UTP type, 90° punching direction, for connecting applications of communication ports in working area.		
2	Compact and practical design.		
3	Fastener hats ensure proper fixation of IDC clips.		
4	Compliance of ISO/IEC 11801. ANSI/TIA/EIA 568-B.2 CAT 5e for both T568-A and T568-B punching sequences.		
5	UL® and ULc® certified under number# DUXR.E329018.		
6	Connection type: FCC Connector for RJ45 patch cord and IDC for 4-pair CAT 5e cables.		
7	Fit for CAT 5e general cable distribution system. Backward compatible with CAT 5 and CAT 3 systems.		
8	Punch tool: 110 & Kröne.		
9	Dimensions	Width: 17.0 mm	
		Height: 19.6 mm.	
		Depth: 28.0 mm.	
10	Colors	WH= White; BK= Black; OR=Orange; RD= Red; GN= Green, BL= Blue; GR= Grey; YL= Yellow; IV= Ivory	

Note: The microinch (μ in) is a common imperial unit of distance equal to one millionth of an inch, 25.4 nanometers (nm), or 1μ in = 0.0254 μ m.

B Dimensional Diagram:



C How to Order:

LP-XCEPUSWH	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, White Color.
LP-XCEPUSBK	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Black Color.
LP-XCEPUSOR	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Orange Color.
LP-XCEPUSRD	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Red Color.
LP-XCEPUSGN	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Green Color.
LP-XCEPUSBL	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Blue Color
LP-XCEPUSGR	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Gray Color.
LP-XCEPUSYL	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Yellow Color.
LP-XCEPUSIV	8000 Series CAT 5e 8P8C RJ45, X-Class Robotic Manufactured Keystone® Compatible Unshielded Jack, 90° IDC, Ivory Color.

PRODUCT DATA SHEET

EngineerPro® Cat 6 UTP Keystone Jack, 180 Degrees

Overview

Nitrotel Cat6 Keystone Jacks offer exceptional interconnection in 10/100/1000 Base-T Fast and Gigabit Ethernet applications. These component-rated keystone jacks work together with high speed cables, cores and panels to provide performance beyond proposed category 6 standards. Their compact design allows them to fit into any conventional face plate, outlet box, or panel.

Features

- Backward compatible
- Compliant with EIA/TIA-568.2-D Cat6 connecting hardware specifications
- PoE Compliance: Supports IEEE 802.3af / 802.3at / 802.3bt at PoE++ applications and Supports Power over HDBaseT™ (PoH) up to 100 watts
- Dual-color coded labeling made for both 568A & 568B wiring schemes
- Compact slim design fits into any conventional face plate, outlet box, or panel
- UL 1863 approved
- Patented Printed Circuit Board designed to meet Cat6 performances
- Utilizes 180 degree industry standard 110 termination style
- 50u" gold plated contacts.
- Enhanced IDC termination towers reduce installation time and increased performance

Technical Specifications

Performance:	Specifications:
Cat6	250 MHz +
Compliance	Meets EIA/TIA-568.2-D transmission performance specifications and ISO 11801 Class E channel and component requirements at swept frequencies up to 250 MHz.
IDC:	Specifications:
Housing	PC UL 94
Type	110 Punchdown, 180 degrees
Contact Construction	Phosphor bronze with tin plated
Operating Life	200 re-terminations (min.)
Cabling	22-26 AWG, Stranded and Solid UTP cable
Electrical:	Specifications:
Wiring for	T568A or T568B
Dielectric Withstand	1000 VAC RMS @ 60Hz
Voltage/current	150 VDC @ 1.5A, max., > 100mW @ 500 Vdc
RJ45 Connector:	Specifications:
Contact Construction	Phosphor bronze, 50µ in. gold plating
Insertion Life	750 insertions, min., @ < 0.2 dB of insertion loss
Insertion Force	900 gms for 8 contacts
Retention Strength	7,7 Kgs between Jack and Plug
Housing	High-impact thermoplastic, UL94V-0 rated

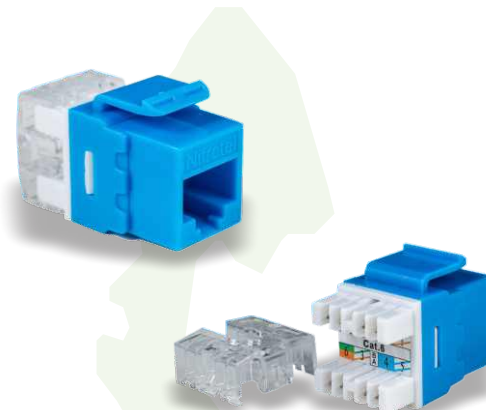
Order information (Part Number)

NTKJ1806E SL

Color



Special orders available upon request.



EngineerPro® Unshielded Network Component

EngineerPro® Category 6 Punchdown Patch Panels:

12-Port	NTPP6E12U
24-Port, 1 RU	NTPP6E24U
48-Port, 2 RU	NTPP6E48U

EngineerPro® Category 6 Patch Cords

Foot Lengths: NTPC6EXX*YY**

EngineerPro® Category 6 UTP Cable

NTNC6E

Jacket Color	Item	Outer Jacket	Overall diameter(mm)
BU RD	P	CMP	6.4±0.2
GY BK	C	CM	6.4±0.2
WH YL	R	CMR	6.4±0.2
GN PR	L	LSZH	6.4±0.2
	E	LDPE	6.4±0.2

Available Cable Management:

Horizontal Cable Managers
Blank Filler Panels
Brush Panels
Hook & Loop Fasteners

* For standard lengths (01, 03, 05, 07, 10, 15 or 20 Ft) change the XX in part number to the desired length.

** For standard cable colors add suffix BU (Blue), WH (White), BK (Black), GR (Green), RD (Red), GY (Gray) or YL (Yellow) after desired length at the end of the part number. For example, the part number for a blue 3 foot patch cord is NTPC5E03BU.



Nitrotel Cat 6
UTP Cable



Nitrotel Cat 6
UTP Patch Cord



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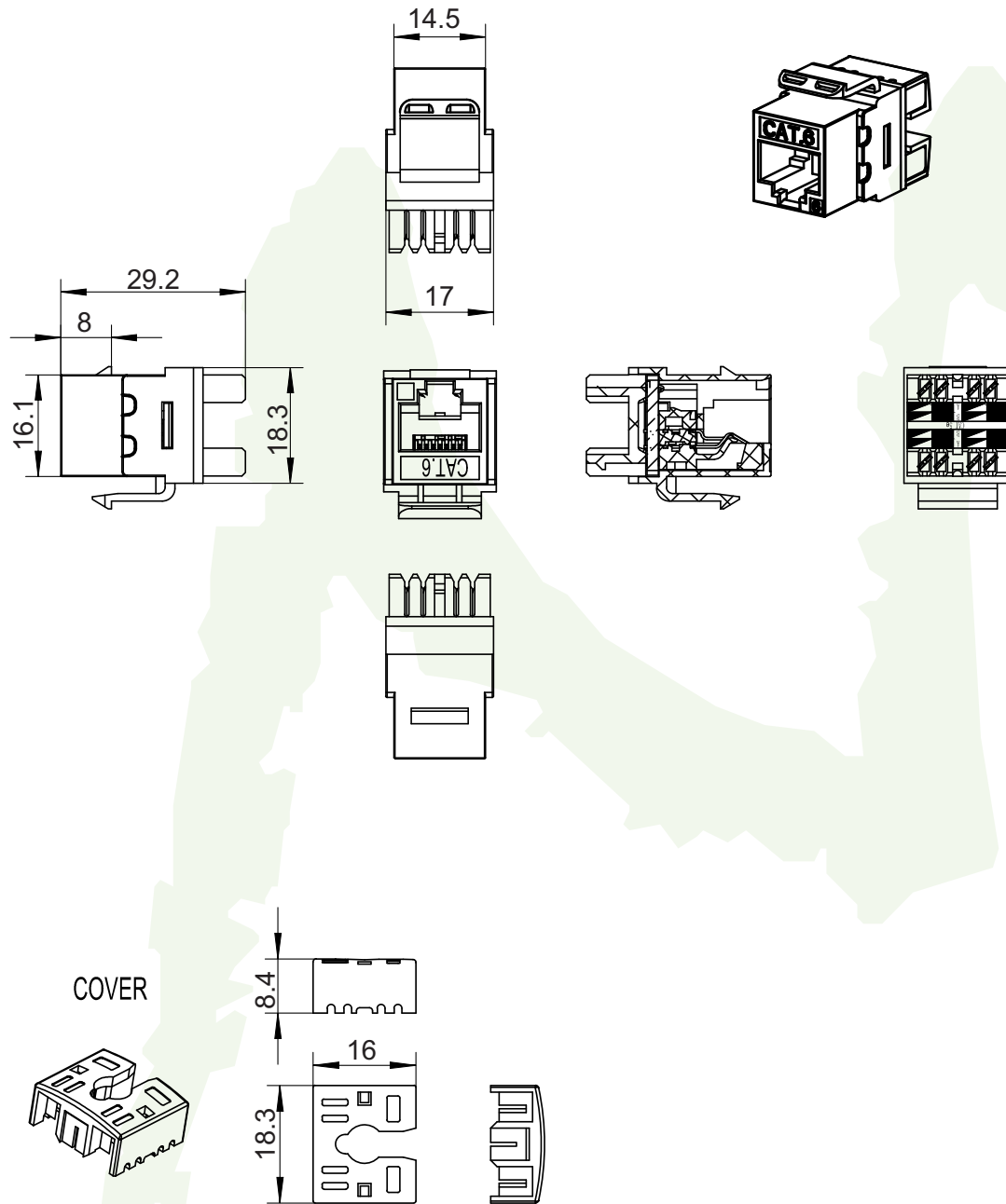


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Rev. 01/21



PRODUCT DATA SHEET

19" Rack Mount Horizontal Cable Management

FEATURES:

- Nitrotel Horizontal Cable Manager
- Plastic construction provides durability and easy installation
- Dual hinged cover allows cable access without removing cover
- Rounded edges on fingers protect cables from snags and damage to cable
- Flexible fingers allows easy installation and removal of cables
- Increased finger spacing provides larger area for high performance Category 6 cables
- Pass-through holes allow front to rear cabling
- Mount to standard 19" EIA racks and cabinets
- Hinge Cover included



Part Number	NTCMF1U / NTCMF2U
Color	Black
Depth (in.)	3.7
Depth (mm)	93.7
Height (in.)	1.75 / 3.5
Height (mm)	44.45 / 88.90
Width (in.)	19
Width (mm)	482.6
Cable Capacity - Cat 6 (.250)	18 - 36 Front Only
Component	Panel
Duct Depth	3
Duct Width (In.)	3
No. of Racks Spaces	1U / 2U
Rack System Width (In.)	19

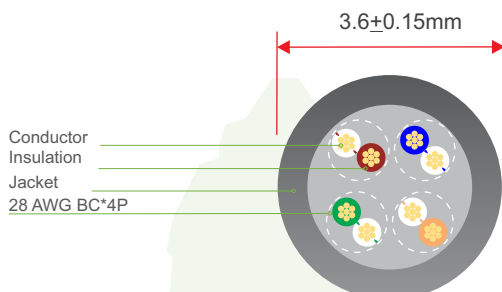
This product is designed for the installation of telecommunication and network equipment. Nitrotel provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Nitrotel be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Nitrotel has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Nitrotel products are subject to Nitrotel's standard terms and conditions of sale



PRODUCT DATA SHEET

EngineerPro U/UTP unshielded twisted 4 pairs category 6 slim patch cord 28AWG



Standard

- Electrical performance guaranteed to meet or exceed ANSI/TIA-568.2-D Category 6 and ISO/EIC specifications.
- PoE Compliance: Supports IEEE 802.3af / 802.3at / 802.3bt at PoE++ applications.
- Independently tested and verified UL and (ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different color of cable and different length.

Conductor

Conductor	
Insulation	PVC (CM) Option LSZH
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Order information (Part Number)

NTPC6E SL

01	02	03
05	07	10
15	17	25
33	50	66
98		

Jacket Color

BU	RD	WH	YL
GY	BK	GN	OR

Special orders available upon request.

Nominal Transmission Characteristics

Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
Ω	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4	63.0	19.0	59.0	51.2	60.5	56.5	48.2
				8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
				10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
				16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
				20	9	51.6	17.5	42.6	37.2	49.0	39.9	34.2
				25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
				31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
				62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
				100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
				200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3



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Rev. 07/20

PRODUCT DATA SHEET

EngineerPro® CAT6 Unshielded Patch Panels

Overview

Nitrotel EngineerPro® Cat6 Patch Panels offer exceptional interconnection in 10/100/1000 Base-T Gigabit Ethernet applications. Metal frame is made of heavy-duty gauge steel and formed to create a robust surface capable of withstanding the forces generated while punching down cables to the panel. EngineerPro® Cat6 unshielded patch panel has 12, 24 or 48 Cat 6 RJ45 ports on the front and corresponding 110 style IDC punchdown connectors on the rear.

Key Features

- Include silk-screened port numbers and paper label holders.
- Include color code labels for T568A and B wiring schemes.
- Utilizes industry standard termination 110 style termination punchdown.
- Mounts to the front or rear of any standard EIA 19" spaced rack. 12-port suitable for wall mount with 89D bracket.

Technical Specifications

Performance:	Specifications:
Cat6	250 MHz +
Compliance	Meets ANSI/TIA-568.2-D transmission performance specifications and ISO 11801 Class E channel and component requirements at swept frequencies up to 250 MHz.
IDC Block:	Specifications:
Type	110 Punchdown
Contact Construction	Phosphor bronze with tin plated
Operating Life	200 re-terminations (min.)
Cabling	22-26 AWG, Stranded and Solid UTP cable
Electrical:	Specifications:
Wiring for	T568A or T568B
Dielectric Withstand	1000 VAC RMS @ 60Hz
Voltage/current	150 VDC @ 1.5A, max., > 100mW @ 500 Vdc
RJ45 Connector:	Specifications:
Contact Construction	Phosphor bronze, 50μ in. gold plating
Insertion Life	750 insertions, min., @ < 0.2 dB of insertion loss
Insertion Force	900 gms for 8 contacts
Retention Strength	7,7 Kgs between Jack and Plug
Housing	High-impact thermoplastic, UL94V-0 rated



EngineerPro® Unshielded Network Component

EngineerPro® Category 6 Punchdown Patch Panels:

12-Port	NTPP6E12U
24-Port, 1 RU	NTPP6E24U
48-Port, 2 RU	NTPP6E48U

EngineerPro® Category 6 Patch Cords

Foot Lengths: NTPC6EXX*YY**

EngineerPro® Category 6 UTP Cable

NTNC6E

Jacket Color	Item	Outer Jacket	Overall diameter(mm)
BU RD	P	CMP	6.4±0.2
GY BK	C	CM	6.4±0.2
WH YL	R	CMR	6.4±0.2
GN PR	L	LSZH	6.4±0.2
	E	LDPE	6.4±0.2

Available Cable Management:

Horizontal Cable Managers
Blank Filler Panels
Brush Panels
Hook & Loop Fasteners

* For standard lengths (01, 03, 05, 07, 10, 15 or 20 Ft) change the XX in part number to the desired length.

** For standard cable colors add suffix BU (Blue), WH (White), BK (Black), GR (Green), RD (Red), GY (Gray) or YL (Yellow) after desired length at the end of the part number. For example, the part number for a blue 3 foot patch cord is NTPC6E03BU.

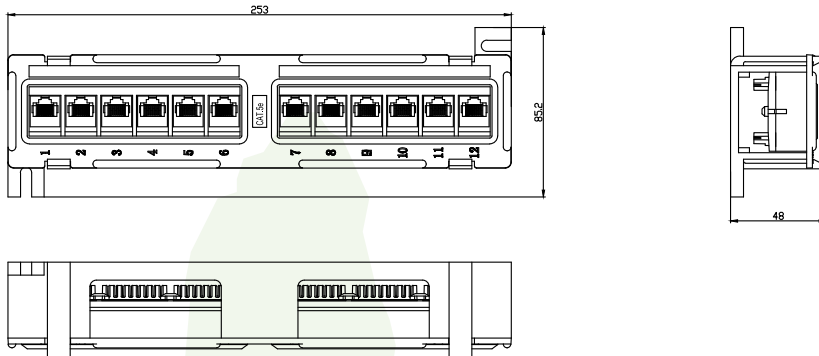


EngineerPro® Cat 6
UTP Cable

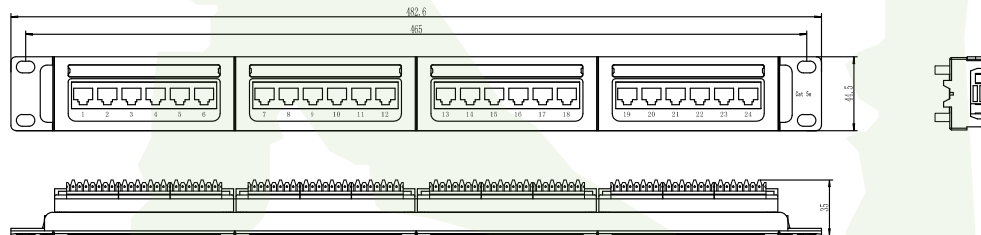


EngineerPro® Cat 6
UTP Patch Cord

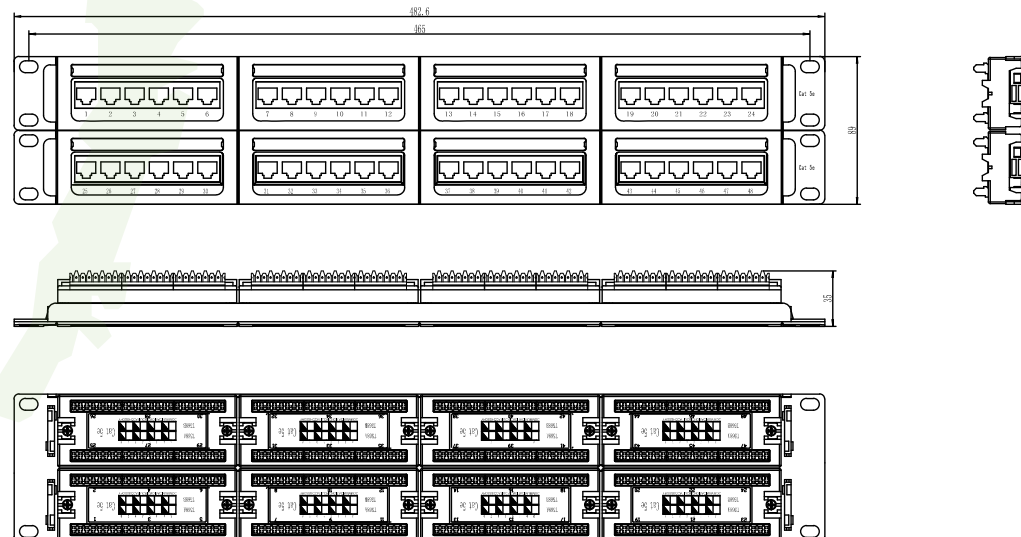
NTPP6E12U



NTPP6E24U



NTPP6E48U



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Rev. 01/21



PRO - Series UPS Interactiva

Los UPS de alto rendimiento de la serie PRO con AVR y protección contra sobre tensiones conservan la vida útil de la batería para un alto tiempo de funcionamiento de alta eficiencia.



Características:

- Fuente de alimentación ininterrumpida
- Pantalla LCD que brinda información
- Corrige caídas de tensión y sobretensión.
- 4 tomacorrientes con batería
- Regulador automático de voltaje (AVR).
- 4 puertos de carga USB 5V /2.1 A.
- Tamaño compacto y ligero con botón on/Off
- Amplia ventana de voltaje de entrada
- Compatible con generador e inversor
- 3 años de garantía estándar

Especificaciones

MODELO		AB-PRO1500T	AB-PRO2000T
Descripción	UPS interactiva con control inteligente por microprocesador		
Capacidad	VA / Watts	1500VA / 900 W	2000 VA / 1200 W
Entrada	Voltaje nominal	110-120 VCA	
	Rango de voltaje	80VAC ~ 145 VCA $\pm 5\%$ con función AVR	
	Frecuencia	50 Hz ~ 60 Hz	
Salida	Voltaje (Mode en baterías)	110-120 VCA $\pm 10\%$	
	Frecuencia	Igual que la entrada	
	Regulador de Voltaje	Automático con una etapa para elevar y una etapa para reducir	
	Tipo de onda	Modificada senoidal	
	Tiempo de transferencia	Típico 2-4 ms	
	Tomacorrientes	(8) NEMA 5-15R	
Batería	Tipo / Número	(2) 12v 9 Ah	(2) 12v 9 Ah
	Tiempo típico de recarga	4-6 horas para el 90% de capacidad	
Características	Protección contra sobretensiones	600 Joules	
	Puertos	RJ45 / (4) USB Cargador de 5 V / 2.1 Amp.	
	Pantalla LCD	Pantalla	Voltaje de entrada y salida, capacidad de la carga y de batería, modo de operación
		Sobrecarga	Indica capacidad y sonido audible cada 0.5 segundos
		Recarga inteligente con el ups apagado	Si
	Indicadores auditivos	Mode de Baterías	Indica modo en batería, capacidad de la batería y sonido audible cada 10 segundos
		Batería baja	Indica modo en batería, capacidad baja en la batería y sonido audible cada segundo
		Falla / Sobrecarga	Indica error de salida, carga de salida superior al 100% y sonido audible continuo
Ambientales	Altura	< 5000 metros	
	Temperatura	0° C ~ 40° C	
	Humedad	0% ~ 90% (sin condensar)	
	Ruido	< 40 dBA a un 1 metro	

*Las especificaciones están sujetas a cambios sin previo aviso.

AB-PRO1500T / AB-PRO2000T

IDEAL PARA USO EN CASA Y OFICINA

Proteja su Computadora y periféricos, como Impresoras, Enrutadores, Módems, Sistemas de Teatro en Casa.



Vista posterior



Vista de frente



4 USB

Puertos de carga



Registro de Proveedores del Estado (RPE)

Constancia de inscripción

RPE: 82929

Fecha de registro: 19/8/2019

Fecha actualización: 12/10/2022

Razón social: Digital Business Group DBG SRL

No. Documento: 131912567 - RNC

Género: Masculino

Provee: Bienes, Servicios, Consultoría, Obras

Certificación MIPYME: Sí

Registro de beneficiario: Sí

Clasificación empresa: Pequeña Empresa

Estado: Activo

Ocupación:

Motivo:

Domicilio: Calle Miguel Angel Garrido, Edificio TaylorMade,
Oficinas 202 y 203., 3, Los Prados

10447 - REPÚBLICA DOMINICANA

Persona de contacto: Manuel Alexander Medina Carvallo

Observaciones:

Actividad comercial	
CÓDIGO	DESCRIPCIÓN
14110000	Productos de papel
26100000	Fuentes de energía
26110000	Baterías y generadores y transmisión de energía cinética
26120000	Alambres, cables y arneses
26130000	Generación de energía
30220000	Estructuras permanentes
32100000	Circuitos impresos, circuitos integrados y micro ensamblajes
32110000	Dispositivo semiconductor discreto
32120000	Componentes pasivos discretos
32130000	Piezas de componentes y hardware electrónicos y accesorios
32140000	Dispositivos de tubo electrónico y accesorios
41100000	Equipo de laboratorio y científico
41110000	Instrumentos de medida, observación y ensayo
41120000	Suministros y accesorios de laboratorio



42120000	Equipos y suministros veterinarios
42130000	Telas y vestidos médicos
42150000	Equipos y suministros dentales
42160000	Equipo de diálisis y suministros
42170000	Productos para los servicios médicos de urgencias y campo
42180000	Productos de examen y control del paciente
42190000	Productos de centro médico
42200000	Productos de hacer imágenes diagnósticas médicas y de medicina nuclear
42220000	Productos para administración intravenosa y arterial
42240000	Productos medicinales de deportes y ortopédicos y prótesis
42250000	Productos de rehabilitación y terapia ocupacional y física
42260000	Equipo y suministros post mortem y funerarios
42270000	Productos de resucitación, anestesia y respiratorio
42280000	Productos para la esterilización médica
42310000	Productos para el cuidado de heridas
43190000	Dispositivos de comunicaciones y accesorios
43200000	Componentes para tecnología de la información, difusión o telecomunicaciones
43210000	Equipo informático y accesorios
43220000	Equipos o plataformas y accesorios de redes multimedia o de voz y datos
43230000	Software
44100000	Maquinaria, suministros y accesorios de oficina
44110000	Accesorios de oficina y escritorio
44120000	Suministros de oficina
45100000	Equipo de imprenta y publicación
45110000	Equipos de audio y video para presentación y composición
45120000	Equipo de vídeo, filmación o fotografía
45130000	Medios fotográficos y de grabación
45140000	Suministros fotográficos para cine
46170000	Seguridad, vigilancia y detección
52160000	Electrónica de consumo
55100000	Medios impresos
55110000	Material electrónico de referencia
55120000	Etiquetado y accesorios
72100000	Servicios de mantenimiento y reparaciones de construcciones e instalaciones
72130000	Construcción general de edificios
80100000	Servicios de asesoría de gestión
80110000	Servicios de recursos humanos
80160000	Servicios de administración de empresas
81100000	Servicios profesionales de ingeniería
81110000	Servicios informáticos



83110000	Servicios de medios de telecomunicaciones
83120000	Servicios de información

Portal Transaccional - 17/10/2022 2:08:25 p.m.

