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Sopto

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FTTX Solutions

Shenzhen Sopto Technology Co.,LTD

COMPANY PROFILE

Sopto is a high-tech enterprise specialized in R&D, manufacturing, marketing and solution service of ICT network infrastructure. Sopto, which was established in 2006, is one of the biggest subsidiaries of Hongan Group, located in Shenzhen China with 350+ employees, 3 factories and one main oversea sales center office.

Sopto provides first-rate products and comprehensive solutions, including FTTX solutions, site (LTE) solutions, and date center solutions to domestic and overseas telecom operators, ICT equipment manufacturers and network integrators. Our product portfolio covers GPON/EPON equipment, Fiber transceivers, indoor/outdoor cables, PLC splitter, Fiber Patch cords, copper connectivity, structured cabling system and ODN Products.

Through our expertise in the ICT sector and continuous customer-centric innovation, we will provide more competitive solutions and professional engineering services for customers.

CONTENTS

FTTH Solutions · Introduction ---- 03-04

GPON ---- 05

EPON ---- 06

Outdoor Fiber Cable ---- 07-08

Indoor Fiber Cable ---- 09

Fiber Patch cord ---- 10

PLC Splitter ---- 11

FTTH Splitter Distribution Box ---- 12

Indoor Optic Distribution Frame ---- 13

Optical Cable Cross Connecting Cabinet ---- 14

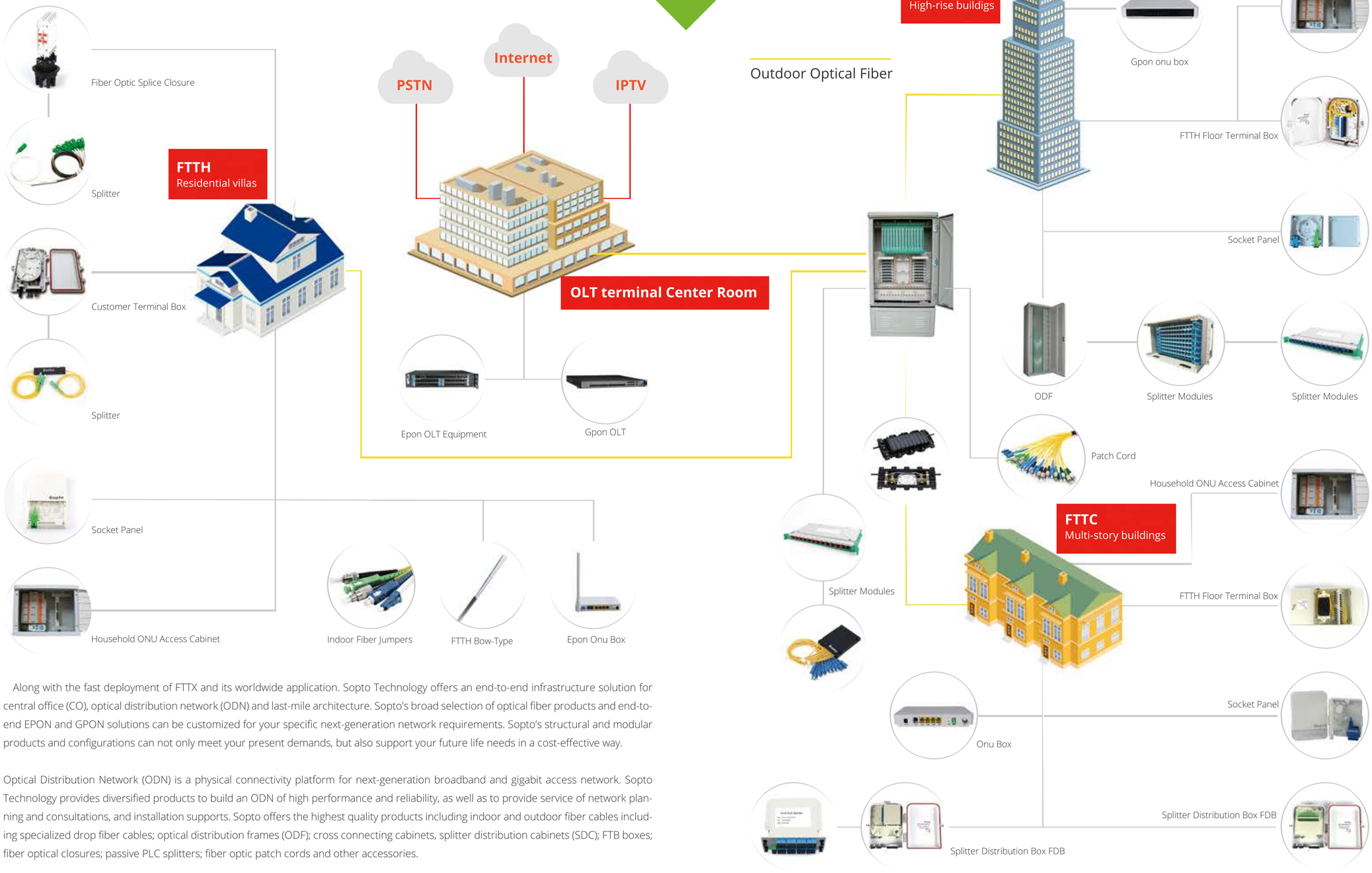
ODF ---- 15

FTTH Terminal Box ---- 16

Fiber Closure ---- 17

Accessories ---- 18

FTTX Solutions · Introduction



Along with the fast deployment of FTTX and its worldwide application. Sopto Technology offers an end-to-end infrastructure solution for central office (CO), optical distribution network (ODN) and last-mile architecture. Sopto's broad selection of optical fiber products and end-to-end EPON and GPON solutions can be customized for your specific next-generation network requirements. Sopto's structural and modular products and configurations can not only meet your present demands, but also support your future life needs in a cost-effective way.

Optical Distribution Network (ODN) is a physical connectivity platform for next-generation broadband and gigabit access network. Sopto Technology provides diversified products to build an ODN of high performance and reliability, as well as to provide service of network planning and consultations, and installation supports. Sopto offers the highest quality products including indoor and outdoor fiber cables including specialized drop fiber cables; optical distribution frames (ODF); cross connecting cabinets, splitter distribution cabinets (SDC); FTB boxes; fiber optical closures; passive PLC splitters; fiber optic patch cords and other accessories.

GPON

Features of GPON Products

- Standalone 1U 8PON Ports GPON OLT: 8 GE uplink optic ports, 8 GE uplink electric ports, available for 10 Gigabit card expansion slot with 2*10Gigabit SFP+ uplink port; The maximum optical coupling ratio of 1:128, up to 1024 GPON ONTs
- 10/100M and 10/100/1000M auto-adapting Ethernet ports, support downlink rate 2.448Gbit/s, uplink rate is 1.244Gbit/s
- GPON ONT products support data, CATV, POTS and WIFI; SFU,HGU series ONT products meet different net-working
- The completed layer 2 switching function
- The QOS function
- Support link error monitoring and loop monitoring
- Support for flexible flow classification, maximum 520 flow classification rules
- Support a variety of multicast forwarding mode, support multicast replication
- Support CLI and SNMP management, complying with OMCI standard

GPON OLT

SP-1508GS GPON OLT

- 1U GPON OLT Chassis
- 8 * PON OLT Ports
- 8 * GE Uplink SFP Ports
- 8 * GE Uplink UTP Ports
- 10G Uplink Port Optional

GPON ONU

SP804HI GPON ONU

- 4 * 10/100M Ports
- 1 * CATV POT
- 1 * GE Fiber Port
- 1 * TEL Port

Ordering Information

SP-1508GS	1U GPON OLT, 8 PON Ports+8 GE uplink optic Ports (SFP)+ 8 GE uplink Electric Ports
SP-511HZ	GPON ONT 1*GE Ethernet interface+1 GPON interface
SP-504GH	GPON ONT 4*GE Ethernet interface +1 GPON interface
SP-614HWI	GPON ONT 4*FE Ethernet interface +2*POTS+WIFI+1 GPON interface
SP-804HI	GPON ONT 4*FE Ethernet interface +1*POTS+1*CATV +1 GPON interface
SP-804GW	GPON ONT 4*GE Ethernet interface+1*POTS+1*CATV+WIFI+1 GPON interface

EPON

Features of GPON Products

- Max PON Ports up to 40
- With 1:64splitting ratio at most
- Maximum Transmission distance: 20km (1:32 splitting ratio)
- 10/100M and 10/100/1000M auto-adapting Ethernet ports, support downlink rate 1.244Gbit/s, uplink rate is 1.244Gbit/s
- Series products: pizza-box, card, compact, and outdoor types of OLT products; data, CATV, WIFI, POTS, MDU, outdoor, HGU types of ONU products for different networking and needs
- The completed layer 2 switching function
- Design to meet the requirement of the broadband access network and hot-pluggable
- The QOS function to realize stable and efficient dynamic bandwidth allocation (DBA)
- Support OAM function including IGMP Proxy and Snooping function etc.
- Support Telnet and local command lines management, EMS management based on standard SNMP protocol
- Fully compatible with IEEE802.3ah standard, and CTC2.0/CTC2.1/CTC3.0 standard

EPON OLT

SP3000S(SP3000C+SP300M+SP3108T)

- 3U EPON OLT Chassis
- OLT Control Card
- 8 * PON Ports + 8 * GE Uplink
- SFP Ports + 2 * 10GE SFP+ Ports EPON Cards(1-4pcs)
- 8 * SFP PON Ports/PC

EPON ONU

SP-304HW Triple Play EPON ONU

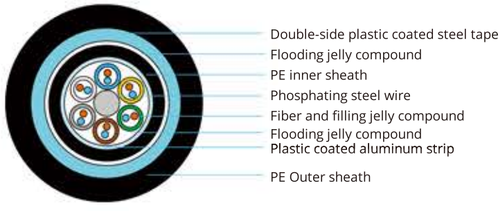
- 4 * 10/100M Ports +
- 1 * CATV Port +
- 1 * GE Fiber Port(1550nm) +
- WIFI +

Ordering Information

SP-1104SN	1U GPON OLT, 4*PON ports+4*GE uplink optic ports+4*GE uplink electric ports
SP-1108S	1U GPON OLT, 8*PON ports+8*GE uplink optic ports(SFP)+8*GE uplink electric ports
SP-1104Y	Outdoor EPON OLT, 4PON ports+4*GE uplink optic ports(SFP)
SP-101HC	EPON ONT 1*FE Port+1 EPON interface
SP-111HC	EPON ONT 1*GE Port+1 EPON interface
SP-104HC	EPON ONT 4*FE Port+1 EPON interface
SP-214HWI	EPON ONT 4*FE Ports +1*POTS Ports+WIFI+1 EPON interface
SP-404HI	EPON ONT 4*FE Port+1*POTS Port +1 EPON interface

Outdoor Fiber Cable

GYTA53



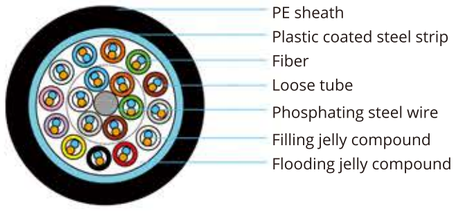
Application:

Direct buried

Features:

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- Compact structure, excellent water-blocking performance

GYTS



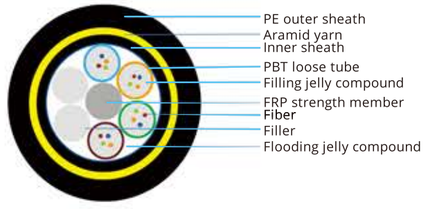
Application:

Duct / Aerial/Direct buried

Features:

- Good mechanical and temperature performance
- Loose tube material has good hydrolysis resistance performance and high strength
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tubes from shrinking
- Crush resistance and flexibility
- Compact structure, excellent water-blocking performance

ADSS



Application:

Self-supporting Aerial

Features:

- Can be installed without shutting off the power
- Excellent AT performance. The maximum inductive at the operating point of AT sheath can reach 35kV
- Light weight and small diameter reducing the load caused by ice & wind and the load on towers & back props
- Large span lengths and the largest span is over 1000m
- Good performance of tensile strength and temperature
- The design life span is over 20 years

GYTC8A

Application:

Self-supporting Aerial

Features:

- High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost
- Good mechanical and temperature performance
- Loose tube material has good hydrolysis resistance performance and high strength
- Special tube filling compound ensure a critical protection of fiber
- Compact structure, excellent water-blocking performance

Indoor Fiber Cable

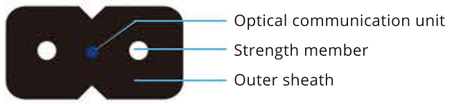
Application:

Access Network, Fiber to the Home (FTTH)

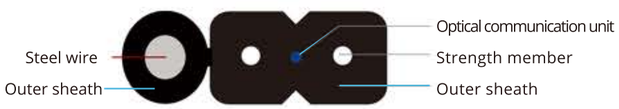
Features:

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber
- Simple structure, light weight and high practicability
- Flute design, easily strip and splice, simplify the installation and maintenance
- Low smoke, zero halogen (LSZH) and flame retardant sheath

GJXFH

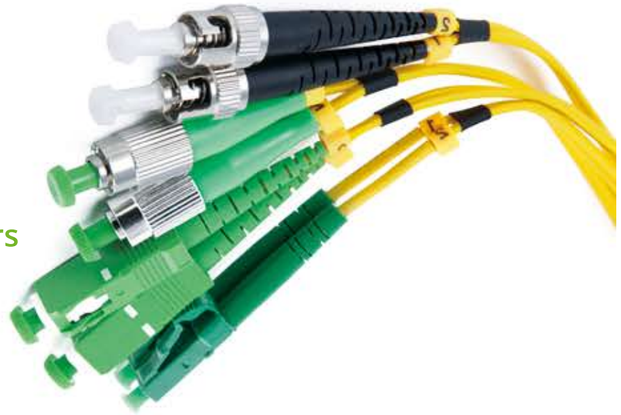


GJYXFCH



Fiber Patch Cord

General Jumpers



Bunched Fan-out

multicores 4, 6, 8 up to 96 cores

Features:

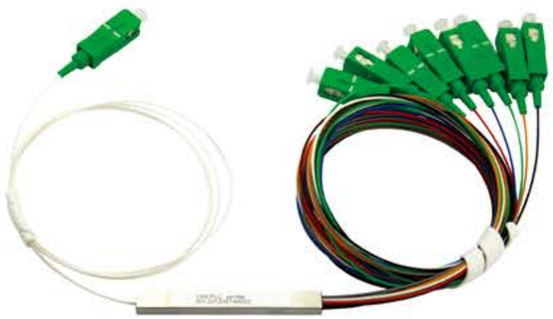
- Available for different connectors: SC, LC, FC, ST, MPO/MTP, MTRJ, MU, etc
- PC, UPC and APC polishing are available in Zirconia ceramic ferrule
- Available for Simplex and duplex, pigtail type
- Single mode fiber G652D, G657A1 and G657A2, Multimode fiber OM1, OM2, OM3 and OM4 are available
- The outer jacket can be PVC, LSZH, OFNR, OFNP etc
- Low insertion loss and high return loss, high dense connection, easy for operation
- Customer lengths and connectors are available upon request

PLC Splitter

Features:

- Available for 1*2,1*4,1*8,1*16,1*32,1*64,1*128 and 2*2, 2*4, 2*8, 2*16, 2*32, 2*64 configurations
- With different connectors: LC, SC, FC, etc
- Available for different packages: Steel tube, ABS box, Insert-type
- Low insertion loss and low PDL
- Excellent uniformity over a wide wavelength range from 1260nm to 1620nm
- Working in temperature from -40C to +85C
- Fully comply with Telcordia GR-1209-CORE and Telcordia GR-1221-CORE

Steel Tube



ABS Box

Insert Type Splitter Module

FTTH Splitters Distribution Box

Description:

This series splitter distribution box is suitable for insert-type splitter module and ABS box type splitter; they are used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system.

16 Cores

32 Cores

Features:

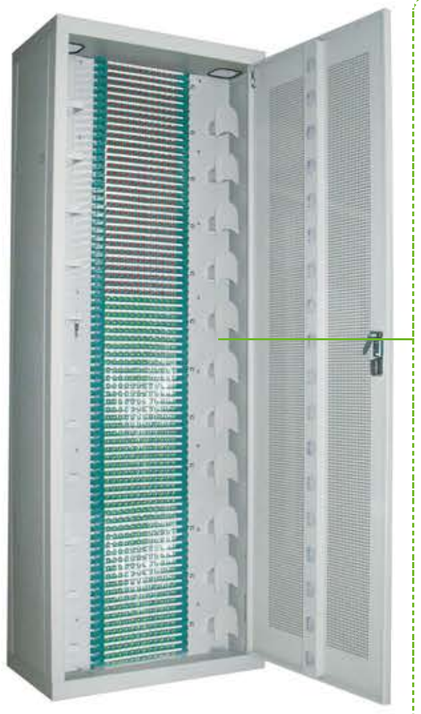
- Available for 1*4, 1*8 and the max capacity can reach 1*64 or 2*32
- Material: PC+ABS Plastic and Metal; Protection Level: IP65, wet-proof, water proof, dust proof, antiaging
- Clamping for feeder cable and drop cable, fiber fixation, storage, distribution, etc
- Cable, pigtails, patch cords are running through own path without disturbing each other, cassette type SC adapter installation, easy maintenance
- Distribution panel can be flipped up; feeder cable can be placed in a cup-joint way, easy for maintenance and installation

Indoor Optic Distribution Frame

Description:

It can be used in the termination and distribution of partial trunk optical cable in optical cable communication system easy to realize connection, distribution and adjustment

Optical Distribution Frame



Frame Unit

Features:

- 19 standard cabinets with large-capacity, high- density, modular structure
- Integrated with fiber fusion, storage and distribution, available to manage every single modular on or off rack
- Ensure process ability with organized arrangement of fibers, pigtails and patch cords Suitable for medium capacity distribution site of FTTX splitting spot etc
- Preloaded with splitter modules, achieve light splitting function easily

Optical Cable Cross Connecting Cabinet

Description:

Optical Cable Cross Connecting Cabinet (hereafter named OCC) is used to connect the fiber trunk cable and the distribution cable between the interface device, which has the import of cable, fastness, grounding protection, welding, jumping (distribution), storage, switching and other functions.

Features:

- Standard case body made of high intensity, anti-corrosive, anti-aging special composite material
- Suitable for various bad weather with reliable sealing (water-proof and damp-proof)
- Splicing & distribution integration module with adaptor assembling, fusion and connection, storage in integration, inserted assembling and available for different type of adaptors such as FC, SC, ST
- Adaptors assembling with defluxion of 30° to ensure fiber pigtail bending radius, with control winding ring of the fiber in horizontal and vertical. It makes the fiber distribution tidiness and be protected in security
- The bottom end is assembled with spare splice try, for the direct fusion and connection of trunk optical cables and distribution cables
- Every side of the cabinet can bear the vertical pressure of 980N, and 200N for the outer edge over the door when door opened

ODF

Door Type ODF

Features:

- This door type wall mounted terminal box is avail able for small capacity communication system, wall mounting. The cabinet is composed of 2 parts, one links with optical cables for fusion connection be tween optical cable and fiber pigtails. The other part links with patch cord
- Whole range protected design for fiber lay to ensure the bending radius=40mm
- Available for SC, FC, LC , STadaptors
- 12, 24, 48 ports are available

19 Inch Rack ODF

Fixed Type

Drawer Type

Features:

- 19 inch standard structure, rack mounted
- Available for the installation of FC, SC, ST, LC adaptors
- 12, 24, 48, 72 and 96 ports are available
- Fixed type, Drawer type, dust proof type
- These series of ODF can be applied in the branch connection of fiber termination, worked as distribution box

FTTH Terminal Box

Indoor

The series are used in the end termination in residence to be fixed with pigtails. Wall mounting is available. It can adapt variety of optical connections.

Features:

- With protective doors, dustproof
- Suitable for many types of modules, used in cabling work area subsystem
- Embedded type surface, easy for installation and removal
- Available for fiber optic SC simplex or LC duplex and can be used in both surface mounted installation and concealed panel installation
- All modules are solderless mode

Outdoor

Features:

- Total enclosed structure, be in nice shape
- Material: PC+ABS, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65
- With the function of fiber splicing, fixation, storage, distribution for feeder cable and drop cable
- Cable, pigtails, patch cords are running through their own path without disturbing each other, cassette type SC/LC/PLC adapter installation, easy maintenance
- Distribution panel can be flipped up, feeder cable can go through a mid-span access way, easy for maintenance and installation
- Wall-mounted, suitable for both indoor and outdoor use

Fiber Closure

In-line Horizontal Type

Features:

- Available for the diameter of cable is 10-23mm
- Available for 12, 24 and the max capacity can reach 288 cores
- Can be used in aerial, duct, and direct buried application
- High quality material and with the mechanical sealing structure filled with the sealing material
- The external components and fastening parts are all made of stainless steel, it can be reopened and reused without changing sealing material

Dome Vertical Type

Features:

- Available for 12, 24 and the max capacity can reach 144 cores
- Can be used in aerial , wall mounted and pole application
- The cover and base are filled with silicone rubber and sealed with hoop
- The entry ports are sealed with screw thread parts
- They can be opened after sealing and can be reused without changing sealing material

Accessories

Adaptor

Features:

- Available for LC, SC, FC, ST, MPO/MTP and hybrid type
- SM and MM optional
- Simplex and duplex are available
- Low insertion loss and high return loss
- PC, APC, UPC optional
- Durability≥1000times

LC SC MPO FC ST

Fast Connector

Features:

- Available for SC/UPC and SC/APC type
- SM and MM optional
- Pre-terminated fiber in the ferrule, no epoxy, curing and polishing
- Suitable for 3x2.0mm drop cable or 3.0/2.0/0.9mm cable
- Durability≥1000times
- Comply standard of IEC61754-4

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CONTENTS

Fiber Optic Transceivers ---------- 03-10

Ethernet XPON Video LTE FC&SDH

High Speed Cable ---------- 11-12

Direct Attach Copper Cable Active Optical Cable

Patch Cord Assembly ---------- 13

LC-LC MPO-LC MPO-MPO

Cable Management ---------- 14

Fiber Adapter Plate Cassette Modular Enclosure

Network Cable & Distribution Frame ---------- 15

FTP UTP Distribution Frame

PCI-E Server Adaptor ---------- 16

40G/10G/1G

02

25G SFP28

SR LR ER

IEEE 802.3bm 25GbE FCIA Gen 6 32GFC

Recalculate Your Data Center CAPEX

Optics for the Data Center

Intra-rack

10G SFP+DAC

10G SFP+SR

Inter-building

10G SFP+ LR

40G QSFP+LR4

100G QSFP28 LR4

Inter-rack

10G SFP+SR

10G SFP+AOC
up to 300m

40G QSFP+SR4

40G QSFP+ BIDI

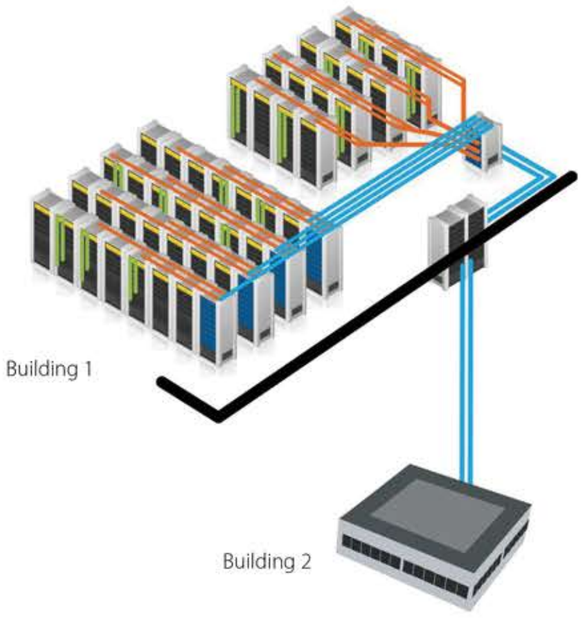
40G QSFP+DAC
up to 10m

40G QSFP+AOC
up to 100m

100G QSFP28 DAC

100G QSFP28 AOC

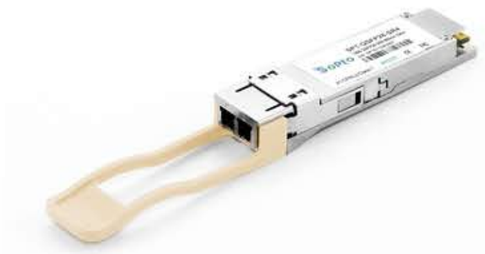
100G QSFP28 SR4



10/25G Intra-rack
10/25/40/100G Inter-rack
10/25/40/100G Long span/Inter-building

Ethernet

100G QSFP28



Distance: SR4, LR4 and ER4
MPO/MTP and LC connector
4x25G electrical interface

Operating Temperature: Commercial

- Data Centers Switch Interconnect
- InfiniBand QDR and DDR Interconnects
- Server and Storage Area Network Interconnect
- Routers and Transport Interfaces in Core Networks

IEEE 802.3bm High-speed electrical interface

IEEE Compliant 100GBASE interfaces

40G QSFP+

Distance: SR BIDI, SR4, IR4, CSR4, LR4 and ER4
MPO/MTP and LC connector
4x10.3G per channel

Operating Temperature: Commercial

- Data Centers Switch Interconnect
- InfiniBand QDR and DDR Interconnects
- High Performance Computing Interconnect

IEEE 802.3bm High-speed electrical interface

IEEE Compliant 40GBASE interfaces

Ordering Information

SPT-QSFP28-XX	Optical Transceiver 100G QSFP28 XX=SR4 /LR4 /ER4
SPT-QSFP+XX	Optical Transceiver 40G QSFP+ XX=SR4 /CSR4 /IR4 /LR4 /ER4
SPT-QB8940G-SR	Optical Transceiver 40G QSFP+SR BIDI

Get the complete catalogue

Ethernet

10G SFP+

Form factor: Dual fiber SFP+
WDM & CWDM & DWDM SFP+
Distance: SR, LRM, LR,ER, ZR, ZR+, ZR++ (120KM)
Operating Temperature: Commercial and Industrial
Supports digital diagnostic monitoring (DDM)
Interoperability with 10G XENPAK, 10G X2, and 10G XFP interfaces on the same link

10G XFP

Form factor: Dual fiber XFP
WDM & CWDM & DWDM XFP
Tunable DWDM XFP
Distance: SR, LRM, LR,ER, ZR, ZR+, ZR++ (120KM)
Operating Temperature: Commercial and Industrial
Supports digital diagnostic monitoring (DDM)
Interoperability with 10G XENPAK, 10G X2, and 10G
SFP+ interfaces on the same link

Ordering Information

SPT-SFP+XX	Optical Transceiver 10G SFP+ XX=LRM/ SR/ LR/ ER/ ZR/ ZR+/ ZR++
SPT-PBxxxxTG-LXX	Optical Transceiver 10G SFP+BIDI XX=10KM/ 40KM/ 60KM/ 80KM
SPT-XFP-XX	Optical Transceiver 10G XFP XX=LRM/ SR/ LR/ ER/ ZR/ ZR+
SPT-XBxxxxTG-LXX	Optical Transceiver 10G XFP BIDI XX=10KM/ 40KM/ 60KM/ 80KM

xxxx refers to the wavelength. Eg: 2733=TX1270nm/RX1330nm

Get the complete catalogue

Ethernet

1.25G SFP

Form factor: Dual fiber SFP Copper SFP CSFP
SGMII SFP
WDM & CWDM & DWDM SFP
Distance: 100m up to 140km
Operating Temperature: Commercial and Industrial
Supports digital diagnostic monitoring (DDM)
Interoperability with GBIC/SFF/1x9 on the same link

125M SFP

Form factor: Dual fiber SFP
Copper SFP
WDM & CWDM & DWDM SFP
Distance: 100m up to 150km
Operating Temperature: Commercial and Industrial
Supports digital diagnostic monitoring (DDM)
Interoperability with SFF/1x9 on the same link

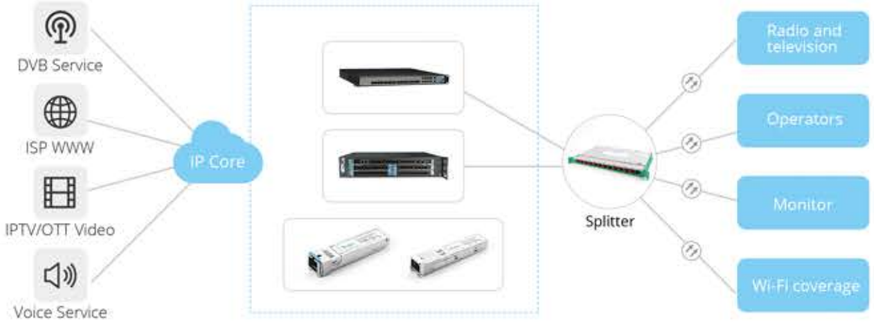
Ordering Information

SPT-P**1G-XX	Optical Transceiver 1.25G SFP XX=550m or 10km or 40 km upto reach 140km
SPT-PB**1G-LXXD	Optical Transceiver 1.25G SFP BIDI XX=550m or 10km or 40 km upto reach 120km
SPT-PC**1G-LXXD	Optical Transceiver 1.25G CWDM SFP XX=550m or 10km or 40 km upto reach 140km
SPT-PD**1G-LXXD	Optical Transceiver 1.25G DWDM SFP XX=550m or 10km or 40 km upto reach 140km

**refers to the wavelength. Eg: 13=1310nm

Get the complete catalogue

GPON OLT



GPON SFP

Distance:

Up to 20km at 9/125μm G.652 SMF
SC receptacle, both ONU and OLT series
Digital Optical Monitoring (DOM) support
Operating Case Temperature Commercial and Industrial
Complies with ITU-T G.984.2 class B+ and C+

GEPON SFP

Distance:

Up to 20km at 9/125μm G.652 SMF
SC receptacle, both ONU and OLT series
Digital Optical Monitoring (DOM) support
Operating Case Temperature commercial and industrial
Compliant With IEEE 802.3ah-2004, PX20+ and PX20++

Ordering Information

SPGT-P4321-SB2DB	Optical Transceiver GPON OLT SFP Class B+
SPGT-P4321-SC2DA	Optical Transceiver GPON OLT SFP Class C+
SPGU-P3412-SB2DA	Optical Transceiver GPON ONU SFP
SPET-P4311-SE2DA	Optical Transceiver GEPON OLT SFP PX20+
SPET-P4311-SE2DC	Optical Transceiver GEPON OLT SFP PX20++
SPEU-P3411-SE2DA	Optical Transceiver GEPON ONU SFP

Get the complete catalogue

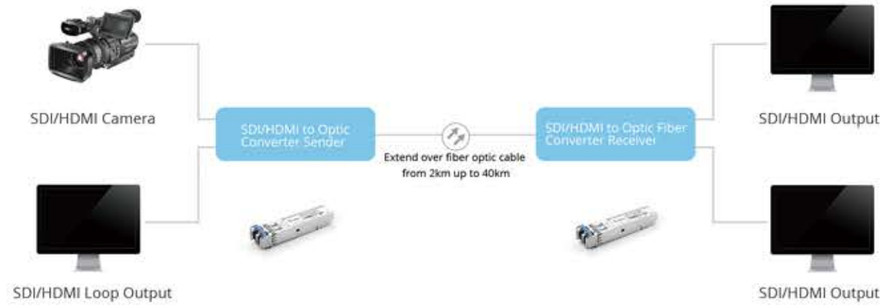
Video

Video SFP

Form factor: Single Tx & Single Rx SFP
Dual Tx & Dual Rx SFP
Transceiver SFP
CWDM & DWDM SFP

Date rate: from 50 Mbps to 3Gbps
Distance: 2km up to 60km

Operating Temperature: Commercial and Industrial
Supports digital diagnostic monitoring (DDM)
SMPTE 297-2006 compatible
Supports SD-SDI, HD-SDI and 3G-SDI



Ordering Information

SPT-P1T13V3-LXX	Optical transmitter 2.97G Video SFP Single Tx, 1310nm, LC XX=2KM, 20KM, 40KM
SPT-P1RV3L	Optical receiver 2.97G Video SFP Single Rx, PIN photodetector
SPT-P2T13V3-LXX	Optical transmitter 2.97G Video SFP Dual Tx, 1310nm, LC XX=2KM, 20KM, 40KM
SPT-P2RV3L	Optical receiver 2.97G Video SFP Dual Rx, PIN photodetector
SPT-P13V3-xx	Optical transceiver 2.97G Video SFP, 1310nm, LC, XX=2KM, 20KM, 40KM

Get the complete catalogue

LTE

CPRI Patch Cord

Standard Duplex LC connector

IP67 protection, salt-mist proof, humidity proof, dust proof, waterproof, moisture proof

Fiber type:

Single mode and Multimode

Application:

3G 4G 5G base station, BBU, RRU, RRH, LTE

CPRI OBSAI LTE SFP

Form factor: SFP and SFP+ CWDM & DWDM

Data rate: 3.072G/6.144G/10.3125G

Distance: from 2km up to 80km

Operating Temperature: Commercial and Industrial

Supports digital diagnostic monitoring (DDM)

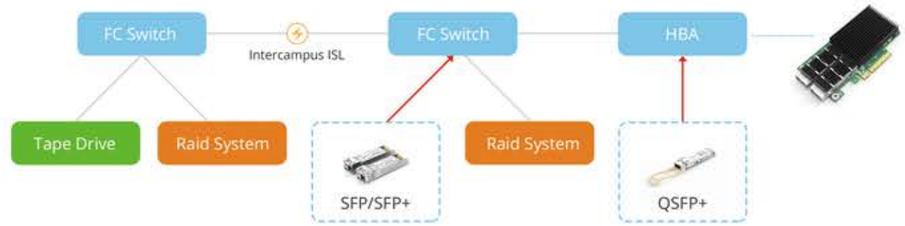
Ordering Information

SPT-P**3G-LXXD	Optical Transceiver 3.072G SFP XX=2KM, 10KM, 20KM,40KM,80KM
SPT-P**6G-LXXD	Optical Transceiver 6.144G SFP XX=2KM, 10KM, 20KM,40KM,80KM
SPT-P**10G-LXXD	Optical Transceiver 10.3125G SFP XX=2KM, 10KM, 20KM,40KM,80KM

CPRI Patch cord DLC/PC-DLC/PC, Singlemode 9/125um (Multimode 62.5/125, 50/125), GYFJH 2A1a (LSZH), 7.0mm, 2cores, 0.03m/0.34m, 2mm, Outdoor Protected Branch Cable (Armored) Length= 10m, 20m...xxxM

Get the complete catalogue

Fiber Channel&SDH



Fiber Channel SFP

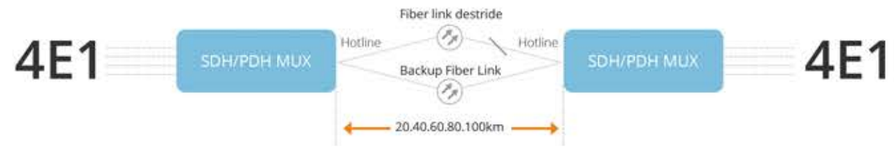
Form factor: SFP and SFP+ CWDM & DWDM

Data rate: 2.125G, 4.25G, 8.5G

Distance: from 2km upto 80km

Operating Temperature: Commercial and Industrial

Supports digital diagnostic monitoring (DDM)



SDH/SONET SFP

Form factor: SFP and SFP+ WDM & CWDM & DWDM

Data rate: STM-1/STM-4/STM-16/STM-64

Distance: from 2km upto 80km

Operating Temperature: Commercial and Industrial

Supports digital diagnostic monitoring

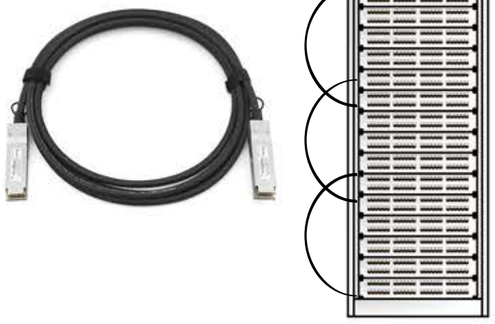
Get the complete catalogue

DAC(Direct Attach Copper Cable)

100G QSFP28 DAC

Form factor: QSFP28 to QSFP28
QSFP28 to 4*25G SFP28 breakout DAC
Max distance: 3 meters
Datarate: 100 GB/s (4 x 25.78 GB/s)
Operating Temperature: Commercial and Industrial
Application: 100GbE, QDR InfiniBand

40G~56G QSFP+ DAC



Form factor: QSFP+ to QSFP+
QSFP+ to 4 SFP+ breakout DAC
Max distance: 10 meters
Datarate: 40Gbs and 56Gbs
Operating Temperature: Commercial and Industrial
Application: 40GbE, QDR InfiniBand, SAS & Fiber Channel

10G SFP+ DAC

Form factor: SFP+ to SFP+
Max distance: 10 meters
Datarate: Multi-Gigabit upto 10.5G, backward compatible to 1Gbps
Operating Temperature: Commercial and Industrial
Application: Ethernet, Fiber Channel

Ordering Information

SPT-SFP+Cx	10G SFP+ to SFP+ Direct Attach Copper Cable xMeters x=1,2,3...10
SPT-QSFP+Cx	40G QSFP+ to QSFP+ Direct Attach Copper Cable xMeters x=1,2,3...10
SPT-QSFP/4SFP-Cx	40G QSFP+ to 4*SFP+ Direct Attach Copper Cable xMeters x=1,2,3...5
SPT-QSFP+Cx	56G QSFP+ to QSFP+ Direct Attach Copper Cable xMeters x=1,2,3...10

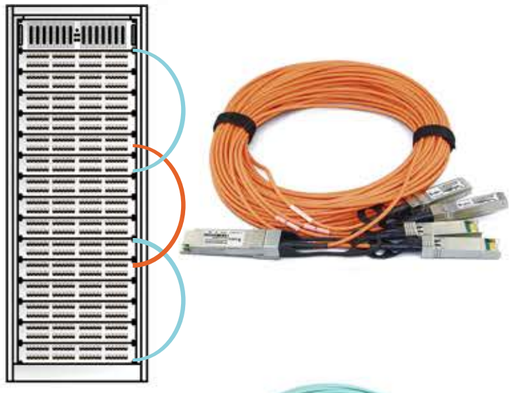
Get the complete catalogue

AOC(Active Optical Cable)

100G QSFP28 AOC

Form factor: QSFP28 to QSFP28
Max distance: 70m on OM3(MMF) 100m on OM4(MMF)
Datarate: 100 GB/s (4 x 25.78 GB/s)
Operating Temperature: Commercial
Application: 100GbE, QDR InfiniBand

40G~56G QSFP+AOC



Form factor: QSFP+ to QSFP+ QSFP+ to 4*SFP+ breakout AOC
QSFP+ to 8*LC Connectors breakout AOC
Max distance: 100m on OM3(MMF) 150m on OM4(MMF)
Datarate: 40Gbs and 56Gbs
Operating Temperature: Commercial
Application: 40GbE, QDR InfiniBand, SAS & Fiber Channel

10G SFP+ AOC

Form factor: SFP+ to SFP+
Max distance: 100 meters
Datarate: From 1G to 11.3Gbps
Operating Temperature: Commercial
Application: 1&10GbE, 1*QDR InfiniBand, Fiber Channel

Ordering Information

SPT-SFP+AOCx	10G SFP+ to SFP+Active Optical Cable xMeters x=1,2,3...
SPT-QSFP+AOCx	40G QSFP+ to QSFP+ Active Optical Cable OM3(OM4) xMeters x=1,2,3...
SPT-QSFP/4SFP-AOCx	40G QSFP+ to 4*SFP+ Active Optical Cable OM3(OM4) xMeters x=1,2,3...
SPT-QSFP+AOC-8LC-x	40G QSFP+ to 8*LC connectors Active Optical Cable OM3(OM4) xMeters x=1,2,3...
SPT-QSFP+AOCx	56G QSFP+ to QSFP+ Active Optical Cable OM3(OM4) xMeters x=1,2,3...

Patch Cord Assembly

MPO/MTP Patch cord

Form factor:

High density structure, 12~48 fibers in a termi, Straight cross polarity connection or pair flip polarity are available

Available for Multimode (OM3 and OM4) and Single mode fiber types

Available for MPO/MTP trunk cable which combing 12~144 fibers.

MPO/MTP to LC (SC, FC) breakout Patch cord

Form factor:

Offer Male or Female MPO/MTP connector

Support MPO/MTP to LC or SC or FC connectors in fiber counts of 4, 8, 12, 24

Straight, cross polarity connection or pair flip polarity are available

Available for Multimode (OM3 and OM4) and Single mode fiber types

LC Patch cord

Form factor:

Available for PC, UPC and APC endface

Support Simplex and Duplex

Available for Multimode (OM3 and om4) and Single mode fiber types

Applied in LANs, CATV, FTTH, and Data Center

High-density fiber optic connectivity

Cable Management

Plate

Form factor:

High density with simplex/duplex/quarter adapters like MPO/MTP and LC

Compatible with racks and cabinets

Reduces the loss of the link

easy to upgrade without changing the connection structure

Meet or exceed TIA/EIA-568-C.3 requirements

Customized color and other purpose

Application:

Connects pre-terminated optical cable

Connects fiber jumpers between equipment /fiber distribution area

MPO/MTP Cassette

Features:

Provide transition between MPO/MTP and LC connectors.

Mounted in 1U scaling up to 72 or in 4U scaling up to 288 discrete connectors.

High performance zirconia sleeve adapters.

Meet IEC 61300-3-4 B

Rapid configuration and network, reduce installation time

Application:

Data centers, pre-terminated and tested structured cabling installation

Rapid upgrated and support parallel transmission system application

Modular Enclosure

Features:

Fits into 19 inch installation

High Density of12 or 24 fiber cassettes/panels can be mounted

1U/2U/4U height fixed and drawer styles

Max capacity up to 576 fibers counts

MPO/MTP and LC or SC connectors

Easy to operate and maintain, marked clearly

Customized coating color

Meet RoHS 2002/95/EC TIA/EIA568-C,ISO/IEC11801,EN50173

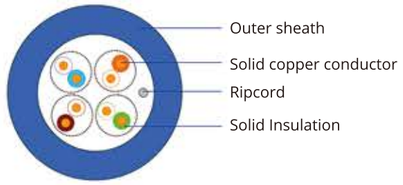
Application:

Data centers, pre-terminated installation

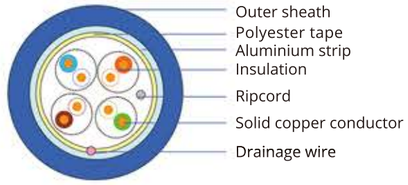
Network Cable

Symmetrical Pair Cables for Digital Communications Horizontal Floor Wiring

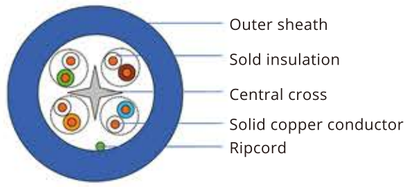
HSYV5e



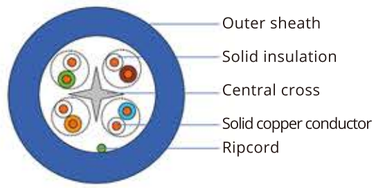
HSYVP5e



HSYV6



HSYV6A



Category: Inoor and Outdoor FTP/ UTP CAT5/CAT5E/CAT6/CAT6A/CAT6E/CAT7
Applications: 10Base/100Base/155M ATM up to 10GBase
Impedance: More bandwidth excess than100MHz/250MHz/500MHz/600MHz
Design: Customized outer sheath or other purpose
Standards: ISO/IEC11801; ANSI/TIA/EIA-568-C; YD/T1019; UL444; IEC61156; EN50288-4-1; GB/T18015; ROHS

RJ45 Distribution Frame

Size: 19 inch * 1U or 2U
Capacity: 12/ 24/ 48 ports
Availability: UTP & FTP CAT5E, UTP & FTP CAT6, CAT6A and CAT6E
Standards: Meet or be superior to CAT5E, CAT6,CAT6A and CAT6E standards of TIA/EIA-568A/568B standards

PCI-E Server Adaptor

10G

Dual-Port 10G

Controller: Intel® 82599ES*1
Bus Type: PCI Express 2.0（5GT/s）
Bus Width: x 8 lane PCI Express, operable in x 8 and x 16 slots
Network Interface Type: SFP+ Slots *2
Operating Systems: Microsoft Windows Server 2003 SP2 & 2008 R2
Windows Unified Storage Solution 2003
Windows Server 2008 SP2、SP2 Core
RHEL4.8 and RHEL5.4
Linux SLES10SP3 and SLES11
FreeBSD 7.5 UEFI 2.0
VMware ESX3.5 and ESX4U1

40G

Quad-Port 10 GE

Controller: Intel® Ethernet Controller XL710-AM2
Bus Type: PCI Express 3.0 (8 GT/s)
Bus Width: 4-lane PCI Express* and 8-lane PCI Express
Network Interface Type: SFP+Slots*4
Operating Systems: Windows Server 2012 R2* & 2012 R2 Core
Windows Server 2012 & 2012 Core
Windows Server 2008 R2* & 2008 R2 Core
Linux* Stable Kernel version 2.6.32/3x
Linux RHEL 6.5 and RHEL 7.0
Linux SLES 11 SP3 and SLES 12
FreeBSD* 9 and 10
UEFI* 2.1 & 2.3
VMware ESXi 5.11

Dual-Port 40 GE

Controller: Intel XL710 Gigabit Controller
Bus Type: PCI Express 3.0 (8 GT/s)
Bus Width: PCI-Express x8 (x16 PCI-E slots)
Network Interface Type: QSFP+ Slot*2, LC Fiber
Operating Systems: Windows Server 2012 R2* & 2012*
Windows 8* & 7*
Windows Server 2008 R2* & 2008* SP2
Windows Vista* SP2
Windows Server 2003 R2* & 2003* SP2
Linux* Stable Kernel version 3.x, 2.6,x
Red Hat Enterprise Linux* 5, 6
SUSE Linux Enterprise Server* 10, 11
FreeBSD 9*
VMware ESX/ESXi*

Ordering Information

SPNC-10G2BF-SFP+	10 GE PCI Server Adaptor Dual SFP+ Fiber Port INTEL 82599 Chipset
SPNC-10G4BF-SFP+	40 GE PCI Server Adaptor Quad SFP+ Fiber Port INTEL XL710-AM2 Chipset
SPNC-40G2BF-QSFP+	40 GE PCI Server Adaptor Dual QSFP+ Fiber Port INTEL XL710 Chipset