

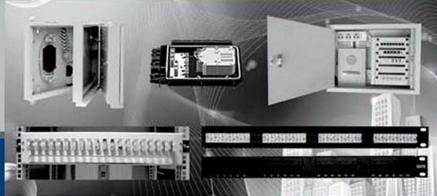
ZTT GROUP



Established in 1992, ZTT started from optical fiber communications. ZTT was listed on Shanghai Stock Exchange (SSE) in 2002 (Stock Code in SSE: 600522), and issued the shares known as the "First Shares for Special Optical Fiber & Cable". Now ZTT has developed a diversified industries of telecom, power grid, marine system, renewable energy, new materials, etc.

Awarded for national innovative enterprise, Jiangsu province outstanding private enterprise, Top-500 Enterprise in China, China Quality Award, Gold-medal listed company, ZTT Group is now hosting 76 subsidiary companies and over 16,000 employees, with the deployment of Beijing Headquarters, Nantong New Headquarters, and Rudong Headquarters, as well as 54 offices and 10 marketing centers set up overseas, and 6 overseas plants operated in India, Brazil, Indonesia, Morocco, Turkey and Germany. ZTT has exported products to 160 countries and regions and has broken through the US\$10.82 billion marks in revenue in 2020.

FTTx ODN Solution Provider













Zhongtian Broadband Technology Co., Ltd is a wholly-owned subsidiary by Jiangsu Zhongtian Technology Co., Ltd (ZTT)—a public company in China's telecommunication industry. The company keeps pace with research and participates in various FTTx projects in domestic and overseas. From 2003, company specializes in producing a full range of ODN products and providing

comprehensive PON solutions. The products and solutions have been widely applied by China Telecom, China Mobile, China Unicom, and other overseas communication operators. The products have been sold to more than 50 countries and regions including Taiwan, Southeast Asia, Middle East and Africa.

Zhongtian Broadband Technology Co., Ltd

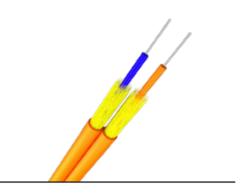
commits to continuously reducing network deployment costs, and promoting development and wide application of optical communication technologies. Company has an excellent product quality with a number of certifications, such as ISO9001 quality management system certification, TL certification, radio and television certification etc. The company will make

unremitting efforts to become the best FTTx network supplier in China.



FTTx Cable Series

Simplex or Duplex Indoor Cable



Cable Application:

- Making for Simplex/Duplex pigtail or patch cord
- For indoor wiring
- For optical connection between equipments

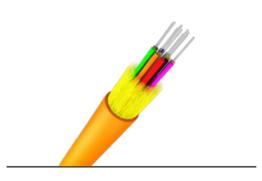
Product Characteristics:

- 0.9mm tight buffer structure, easy stripping
- Aramid yarns covered with high strength
- Outer sheath: PVC, LSZH
- Fiber type: SM (G.652, G.657); MM (62.5/125, 50/125)

Technical Characteristics:

Fiber No.	per No. Cable size (mm)		Tension load (N)		Crush resistance (N/10cm)		Minimal bending radius (mm)		Operation temperature
		(kg/km)	Long term	Short term	Long term	Short term	dynamic	static	. ℃
1	1.6	2.2	40	80	100	500	50	30	-20~+60
1	2.0	3.3	60	100	100	500	50	30	-20~+60
1	3.0	7.2	80	150	100	500	50	30	-20~+60
2	2.0*4.1	7.8	60	120	100	500	50	30	-20~+60
2	3.0*6.1	15.2	80	150	100	500	50	30	-20~+60

Indoor Bunchy Cable



Cable Application:

- Making for Bunchy pigtail or patch cord
- For horizontal wiring inside the MDU building
- For optical connection between equipments

Product Characteristics:

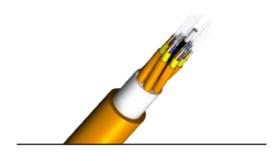
- 0.9mm tight buffer structure, easy stripping
- Aramid yarns covered with high strength
- Outer sheath: PVC, LSZH
- Fiber type: SM (G.652, G.657); MM (62.5/125, 50/125)

Technical Characteristics:

Fiber No.	iber No. Cable size (mm)		Tension load (N)		Crush resistance (N/10cm)		Minimal bending radius (mm)		Operation temperature
		(kg/km)	Long term	Short term	Long term	Short term	dynamic	static	. ℃
2	4.0	12.5	130	440	200	1000	20D	10D	-20~+60
4	4.5	15.6	130	440	200	1000	20D	10D	-20~+60
6	5.0	19.5	130	440	200	1000	20D	10D	-20~+60
8	5.5	26.3	130	440	200	1000	20D	10D	-20~+60
12	6.0	30.4	130	440	200	1000	20D	10D	-20~+60
16	7.5	36.7	200	660	300	1000	20D	10D	-20~+60
24	8.5	46.2	200	660	300	1000	20D	10D	-20~+60

FTTx Cable Series

Indoor Branch Cable



Cable Application:

- Making for Branch pigtail or patch cord
- For vertical wiring inside the MDU building
- For optical connection between equipments

Product Characteristics:

- Several simplex/bunchy cables stranded around central strength member
- Aramid yarns covered with high strength
- Outer sheath: PVC, LSZH
- Fiber type: SM (G.652, G.657); MM (62.5/125, 50/125)

Technical Characteristics:

Fiber No.	Cable size (mm)	Cable weight		on load N)	Crush re (N/10			bending (mm)	Operation temperature
		(kg/km)	Long term	Short term	Long term	Short term	dynamic	static	. ℃
4	7.0	40	200	660	300	1000	20D	10D	-20~+60
6	8.5	62	200	660	300	1000	20D	10D	-20~+60
8	9.8	87	200	660	300	1000	20D	10D	-20~+60
12	12.8	135	400	1320	300	1000	20D	10D	-20~+60
16	12	120	400	1320	300	1000	20D	10D	-20~+60
24	15	170	400	1320	300	1000	20D	10D	-20~+60

Indoor Figure-8 Drop Cable



Cable Application:

- Making for pre-assembled pigtail or patch cord
- Outdoor or indoor wiring
- Can be terminated with field-assembly connector

Product Characteristics:

- Unique notch design, with good stripping performance
- With or without suspension wire
- Parallel strength member providing enough tension strength
- Strength member: Steel wire, KFRP, FRP
- Outer sheath: PVC, LSZH
- Fiber type: SM (G.652, G.657); MM (62.5/125, 50/125)

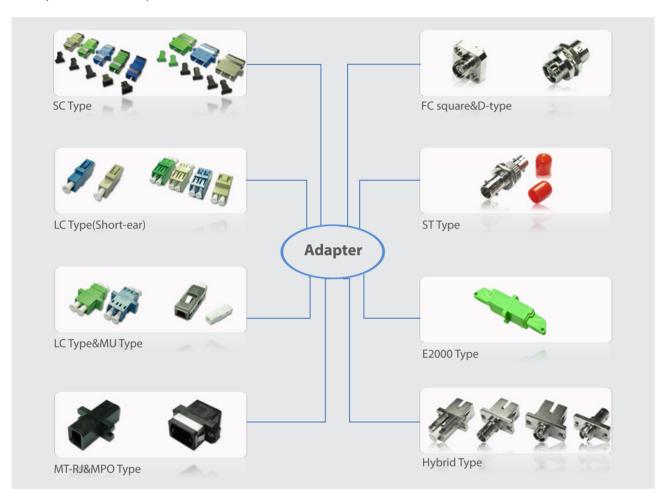
Technical Characteristics:

Fiber No.	Cable OD (mm)		(N)		Crush resistance (N/10cm)		Minimal bending radius (mm)		Operation temperature
		(kg/km)	Long term	Short term	Long term	Short term	dynamic	static	°C
1/2	2.0*3.0	12	60/100	100/200	500	1000	40	20	-20~+60
4	2.0*4.0	14	60/100	100/200	500	1000	40	20	-20~+60
1/2	2.0*5.2	23	300	600	1000	2200	60	30	-20~+60
4	2.0*5.8	32	300	600	1000	2200	60	30	-20~+60

Adapter

Description:

Accomplish accurate and optical connection between connectors.



Technical Specification:

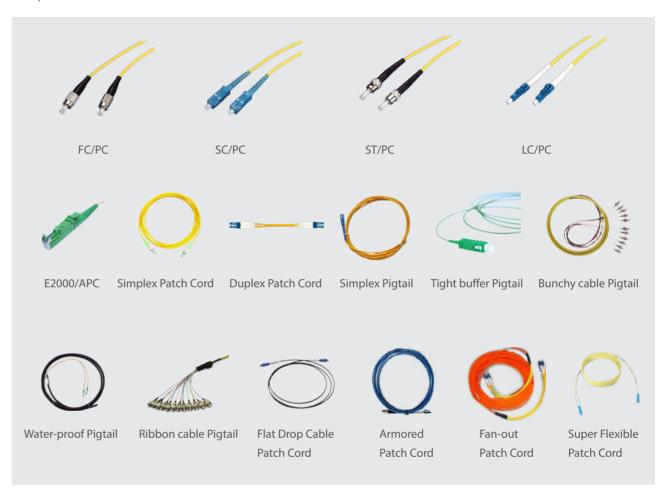
ITEM	Unit	Parameter
Туре		FC , SC , ST , MU , E2000 , Hybrid
Polishing face		PC & UPC & APC
Material of sleeve		Ceramic
Insertion loss	(dB)	≤ 0.2
Interchangeability	(dB)	≤ 0.2(Connector Randomly)
Repeatability	(dB)	≤ 0.2
Operating Temperature	(°C)	-40 ~ 80°C
Industrial standard		IEC 61754

Optical Accessories

Pigtail and Patch Cord

Description:

Used in the fiber distribution system of communication network, accomplishes cable's termination, mutual connection between the optical interface.



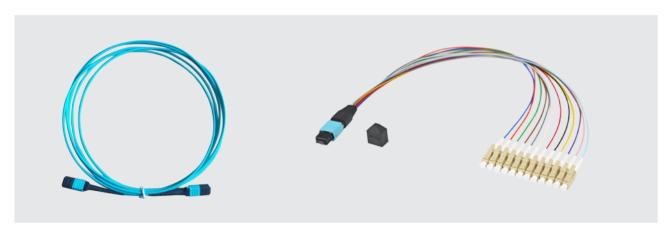
Technical Specification:

Technical data				
Fiber type	SM			MM
Connector type	FC/SC/ST/LC			
Grinding type	PC	UPC	APC	-0.3
Insertion loss(dB)	≤0.3	≤0.3	≤0.3	- ≤0.2
Return loss(dB)	≥45	≥50	≥60	/
Operation temperature($^{\circ}\mathbb{C}$)	-25°C to +70°C (for SC,ST,LC); -40°C to +80°C (for FC)			
Longevity	>500 times			
Standard	IEC61754-13,4,2,20			

MPO Patch Cord

Description:

MPO fiber connector is a kind of multi core and multi-channel plug connector, which is widely used in high density integrated optical fiber line environment.



Application:

- Connection for Trunk Lines.
- Switching between Trunk Line and Terminal Part.
- High Integrated Equipment and Devices.
- High Density cabling System.

Characteristic and Advantage:

- Small volume, high fiber density.
- 4, 8, 12, 24 cores available.
- PC(plane) and APC(8°)available.
- 0.9, 2.0 fan-out available.

- Multi-mode OM3, OM4 and single mode G652D, G657A2.
- High Density Module Pre-installation.
- Convenient for Network Building.

Technical Specification:

Fiber Type	SM	MM	
Insertion Loss	Typical 0.35	Typical 0.35	
(dB)	≤0.75	≤0.6	
Return Loss	≥60(APC)	- ≥20(PC)	
(dB)	≥50(PC)	= 220(PC)	
Male/female	Male Connector: include pin	Female Connector: not include pin	
Durability(dB)	≤0.2	200 times	
Working Temperature(°C)	-4	-40-+85	
Wavelength	1310nm	850nm	

Optical Accessories

Technical data				
Fiber type	SM			MM
Connector type	E2000			
Grinding type	PC	UPC	APC	-0.3
Insertion loss(dB)	≤0.3	≤0.3	≤0.3	≤0.2
Return loss(dB)	≥45	≥50	≥60	/
Operation temperature (°C)	-20℃ to +85℃			
Standard		IEC 6	1754-15	

MPO Application



1-MPO Rack (1URack); 2-MPO Rack (4U Rack); 3-MPO/MTP Module;

4-Duplex Patch Cord LC-LC; 5-MPO/MTP Harness Cable; 6-MPOTrunk Cable; 7-MPO Patch Cord



Fiber Outlet

Description:

Used to terminate the optical fiber, accomplishes the real FTTH.

ZTT-ATB-1W



Туре	ZTT-ATB-1W
Capacity	1 core
Size(L*W*H)	116*86*23mm
Installation method	Wall mount(indoor)
Configuration	Simplex SC or duplex LC adapter

ZTT-ATB-2H



Туре	ZTT-ATB-2H
Capacity	2 core
Size(L*W*H)	116*86*23mm
Installation method	Wall mount(indoor)
Configuration	2 simplex SC or 2 duplex LC adapter

Optical Accessories

ZTT-ATB-2Q



Туре	ZTT-ATB-2Q
Capacity	2 core
Size(L*W*H)	102*80*25mm
Installation method	Wall mount(indoor)
Configuration	2 simplex SC or 2 duplex LC adapter

ZTT-ATB-2A



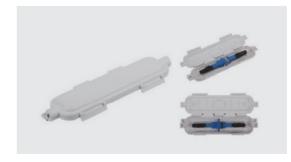
Туре	ZTT-ATB-2A
Capacity	2 core
Size(L*W*H)	86*86*24mm
Installation method	Wall mount(indoor)
Configuration	2 simplex SC or 2 duplex LC adapter

ZTT-ATB-4F



Туре	ZTT-ATB-4F			
Capacity	4 core			
Size(L*W*H)	100.5*80.5*28.8mm			
Installation method	Wall mount(indoor)			
Configuration	4 simplex SC or 4 duplex LC adapter			

ZTT-ATB-1C



Туре	ZTT-ATB-1C				
Capacity	1 core				
Size(L*W*H)	160*45*17mm				
Installation method	Wall mount or Aerial (Outdoor/Indoor)				
Configuration	1 simplex SC adapter				

Optical Fiber Mechanical Connector

Description:

Used for connecting optical fibers with no power.

Products category:

The product has two types, the LA type and LB type. LA type is for the 0.9/0.25mm general type; LB is for the flat drop cable 2.0*3.0mm.



Technical Specification:

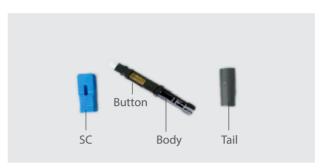
ltem	Technical data					
Application Situation	A type (Φ0.25mm &Φ0.90mm) B type(Φ2.0*3.0mm)					
Fiber diameter	125±1.0μm					
Tight cladding diameter	250μm &900μm					
Available mode	SM&MM					
Operation time	10s excluding fiber treatment					
Insertion loss	≤0.2dB					
Return loss	≥45dB					
Temperature	-40~+85℃					
Repeatability (10 times)	⊿IL≤0.2dB ⊿RL≤5dB					

Optical Accessories

Field Assembly Connector

Description:

Field assembly connector provides another type detachable connection. It could be assembled on site, no need to polish the end face. The embedded fiber technology ensures a good optical performance.





Assembly Process:



Technical Specification:

Item	Technical data
Applicable Cable	2.0*3.0mm
Fiber Cladding Diameter(µm)	125±1.0
Operating Time(sec)	< 90
Inserting Lose (dB)	≤0.5
Return Lose (dB)	> 40 (PC) ; > 50(APC)
Operation Temperature (°C)	-40 ~ +75 °C
Mechanical Endurance (500 times)	∆IL≤0.3dB ∆RL≤5dB

PLC Splitter

Application:

- FTTx Access Network, LAN, CATV Network.
- For the splitting function in Optical Communication Network, Type: micro-modular type, cassette type, blade package type, tray assembly type, rack mount type.



Technical Parameter:

Item		Speciation (include the loss of connector)						
Working wavelength(nm)								
Туре	1*2	1*4	1*8	1*16	1*32	1*64		
Insertion loss (dB)	≤4.4	≤7.4	≤10.7	≤13.9	≤17.2	≤21.5		
Uniformity (dB)	≤0.6	≤0.8	≤1.0	≤1.4	≤1.6	≤2.0		
PDL (dB)	≤0.2	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5		
Return Loss (dB)								
Directivity		≥55						
Operating temperature (°C)			-40~	·+85				

Item		Speciation (include the loss of connector)							
Working wavelength(nm)			1260-	~1650					
Туре	2*2	2*4	2*8	2*16	2*32	2*64			
Insertion loss (dB)	≤4.5	≤7.7	≤11.0	≤14.8	≤17.9	≤21.5			
Uniformity (dB)	≤0.8	≤1.0	≤1.2	≤1.5	≤1.8	≤2.0			
PDL (dB)	≤0.2	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5			
Return Loss (dB)			≥50(UPC), ≥55(APC)						
Directivity	≥55								
Operating temperature (°C)									

Note: 1. Power distributed by the splitter is uniform. 2. The fiber applied in the splitter is single mode.

Optical Accessories

Joint Closure

Description:

straight through or branched jointing, protecting the fusion the boxes are designed to joint most types of fiber cables.

The joint closure is applied to aerial, duct, direct buried, joints. Made in different materials to suit various environments,





Order information:

Туре	Cable Ports	Entry&Exit	Max.Capacity	Dimension H*W*D(mm)
GJS1011	4	2 in 2 out	96 fibers(single fiber)	489*200*122
GJS1020	20	4 port for main cable 16 ports for drop cable	48 fibers(single fiber)	450*202*123
GJS1029	4	2 in 2 out	144 fibers(single fiber) 432 fibers(ribbon fiber)	452*221*`136
GJS3010	6	3 in 3 out	144 fibers(single fiber) 288 fibers(ribbon fiber)	500*φ195
GJS3045	7	1 in 6 out	240 fibers(single fiber)	465*φ260
GJS2046	19	1 port for mid-span 2 port for branch 16 ports for drop cable	48 fibers(single fiber)	380*245*130

Internet Data Center (IDC)



External characteristic:

- With airtight aisle, cold and hot air flow is completely isolated.
- The height, width and depth of the cabinet are the same, inlet air from front, outlet air from back.
- Each micro module integrates structure, power supply and distribution, refrigeration and moving loop monitoring.

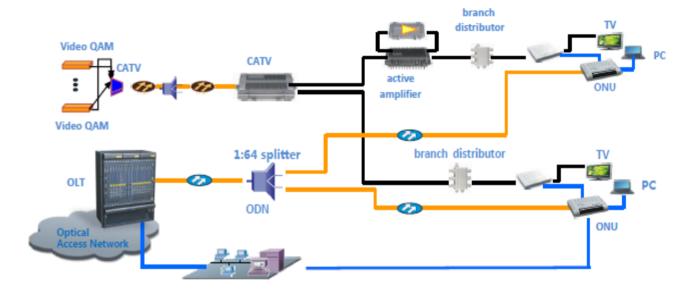
Advantages:

- Factory prefabrication, building blocks.
- Modular design, on-demand deployment, low investment.
- Close accurate refrigeration, air conditioning efficiency is high.
- · Low operating costs.
- •The power density of single cabinet can reach 9kW.



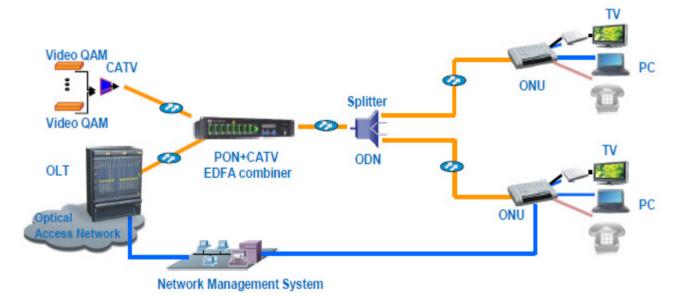
PON Solution

Typical networking structure: (FTTH pure ONU + fiber coaxial entry)



- The data adopts PON technology to realize fiber to home.
- The CATV adopts the optical receiver to receive the optical signal, through the active amplifier and passive branch distributor to realize television signal amplification and distribution.

Typical networking structure: (single fiber household)



• Adopts three-wave integration technology (PON's 1310nm, 1490nm and CATV's 1550nm) to construct high bandwidth, high-capacity fiber bidirectional access.

G/EPON ONU

Description:

Plug and play, integrated automatic detection, automatic configuration and automatic firmware upgrade technology, support diagnostic testing optical path and remote disable

optical path and support IPv4 and IPv6 protocol stack. Compatible with various OLT.

Environmental Parameters:

- \bullet Operating temperature: -40°C \sim 70°C
- \bullet Storage temperature: -40°C \sim 85°C

• Relative humidity: 10%~90% non-condensing

ZG140P/ZE140P

- Emission wavelength 1310nm, receive wavelength 1490nm.
- Receive sensitivity < 27dbm.
- Compatible with 24VAC/12VDC input.
- Lightning protection: power supply:±4kV,ethernet port ±1.5kV.
- Button: reset.
- Size:89*58*56mm.

ZG140-P/ZE140-P

- Emission wavelength 1310nm, receive wavelength 1490nm.
- Optical port: SC/PC
- Receive sensitivity < -27dbm(1490nm).
- \bullet Power supply:AC100 \sim 240V.
- Lightning protection: power supply 6kV, signal port 4kV.
- Button: reset, power supply.
- Size: 210*148*38mm.



ZG140-C/ZE140-C

- Emission wavelength 1310nm, receive wavelength 1490nm.
- Optical port: SC/PC
- Receive sensitivity <-27dbm(1490nm).
- DC power supply:12V 1.0A,outer AC-DC power adapter.
- Button: reset, power supply.
- Size: 180*125*30mm.



EPON OLT

Description:

ZE2000 series provide 4/8/16 downstream gigabit EPON ports, 8 GE Ethernet ports and 2/4 ten Gb upstream ports. With the height 1U, it is convenient to install and maintain and saving

space. It is widely applied in the access network construction, i.e. operator front-end network coverage, private network construction and enterprise network campus access etc.

Environmental Parameters:

- \bullet Operating temperature: -10°C $\!\sim\!55^\circ\text{C}$
- Storage temperature: -40°C~70°C

• Relative humidity: 10%~90% non-condensing

ZE2000-04P

- 1RU19 inches frame
- 1+1Power redundancy
- 4 fixed EPON interfaces
- 4*10GE SFP+ optical port+8GE electric port
- 1console ports
- \bullet The full load power consumption of the machine is less than 40 W.

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ZE2000-08P

- 1RU19 inch frame
- 1+1Power redundancy
- 8 fixed EPON interfaces
- 4*10GE SFP+ optical port+8GE electric port
- 1console ports
- The full load power consumption of the machine is less than 45 W.



ZE2000-16P

- 1RU19 inches frame
- 1+1Power redundancy
- 16 fixed EPON interfaces
- 4GE SFP, 4*GE COMBO ports, 2*10GE SFP+ optical ports
- 1console ports
- •The full load power consumption of the machine is less than 85 W.

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400G QSFP-DD SR8 Transceiver

Applications

• 400G Ethernet

Reference Standards

• QSFP-DD MSA • SFF-8436, SFF-8636 • IEEE 802.3bs • IEEE 802.3cd

Key Features

- Retimed 8-lane high speed PAM4 level Electric Interface
- MPO-24 Optical Interface
- 8 pair independent parallel optical lanes
- Up to 100m transmission distance over OM4 Multi-mode fiber
- Power Consumption less than 10W (Power Class 5)
- Case Operating Temperature: 0 to 70°C

Detailed Information

400G QSFP-DD SR8 Transceiver										
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range	
WMDQ-850SRPC QSFP-DD MPO C 8x53.125Gbps 100m 850nm VCSEL array -6~+4dBm PIN array -7.9~+4dBm										

^{*}TEMP: I=Industrial, E=Extended, C=Commercial

100G QSFP28 SR4/CWDM4 Transceiver

Applications

• 100G Ethernet

Reference Standards

- QSFP28 MSA
- IEEE 802.3bm

Key Features

100G QSFP28 SR4

- Retimed 4-lane high speed Electric Interface
- MPO-12 Optical Interface
- 4 pair independent parallel optical lanes
- Up to 100m transmission distance over OM4 Multi-mode fiber
- Power Consumption less than 2W
- Case Operating Temperature: 0 to 70°C

- SFF-8436, SFF-8636
- 4WDM MSA

100G QSFP28 CWDM4

- Retimed 4-lane high speed Electric Interface
- LC Optical Interface
- Uncooled CWDM4 DFB Laser
- Up to 2km transmission distance over Single mode fiber
- Power Consumption less than 3.5W
- Case Operating Temperature: 0 to 70°C

Detailed Information

100G QSFP28 SR4/ CWDM4 Transceiver											
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range		
WMQO-850SRNC	QSFP28	MPO	С	4x25.78Gbps	100m	850nm VCSEL array	-8.4~+2.4dBm	PIN array	-10.3~+2.4dBm		
WMQO-CDMFRNC	QSFP28	LC	С	4x25.78Gbps	2km	CWDM4 DML	-6.5~+2.5dBm	CWDM PIN array	-11.5~+2.5dBm		

^{*}TEMP: I=Industrial, E=Extended, C=Commercial

25G SFP28 / 10G SFP+ SR Transceiver

Applications

• 10G/25G Ethernet • 10G/25G CPRI

Reference Standards

• SFP+/SFP28 MSA • SFF-8472, SFF-8431 • IEEE 802.3by • IEEE 802.3ae

Key Features

25G SFP28 SR10G SFP+ SR• Built-in CDR• LC Optical Interface

• LC Optical Interface • High Speed Differential Data I/O

• Up to 100m transmission distance over OM4 Multi-mode fiber • Up to 300m transmission distance over OM3 Multi-mode fiber

• Power Consumption less than 1W • Power Consumption less than 0.8W

Detailed Information

25G SFP28/10G SFP+ SR Transceiver											
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range		
WMPL-850SRNx	SFP28	LC	I,E,C	24.33/25.78Gbps	100m	850nm VCSEL	-7.6~+2.4dBm	PIN	-11.9~+2.5dBm		
WMPK-850S1Nx	SFP+	LC	I,E,C	2.5~10.3Gbps	300m	850nm VCSEL	-7.3~-1dBm	PIN	-10.5~-1dBm		

^{*}Temp: I=Industrial, E=Extended, C=Commercial

10G/25G/100G Active Optical Cable

Applications

• 10G/25G/100G Ethernet

Reference Standards

- SFP+/SFP28/QSFP28 MSA
- SFF-8472, SFF-8431, SFF-8436, SFF-8636
- IEEE 802.3ae, IEEE 802.3by, IEEE 802.3bm

Key Features

- High Speed Differential Data I/O
- Low Power Consumption
- Up to 100m Fiber-optic link
- $\bullet \ {\sf Commercial} \ {\sf operating} \ {\sf temperature} \ {\sf range}$

Detailed Information

10G/25G/100G Active Optical Cable												
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range			
WAPK-850S1NC	SFP+	Cable	С	10.3Gbps	1~100m	850nm VCSEL	-	PIN	-			
WAPL-850SRNC	SFP28	Cable	С	25.78Gbps	1~100m	850nm VCSEL	-	PIN	-			
WAQO-850SRNC	QSFP28	Cable	С	4x25.78Gbps	1~100m	850nm VCSEL array	-	PIN array	-			

^{*}Temp: I=Industrial, E=Extended, C=Commercial

100G QSFP28 LR4/4WDM-10km Transceiver

Applications

• 100G Ethernet

Reference Standards

- QSFP28 MSA
- IEEE 802.3ba

Key Features

100G QSFP28 LR4

- Retimed 4-lane high speed Electric Interface
- LC Optical Interface
- Cooled LAN-WDM DFB Laser
- Up to 10km transmission distance over Single mode fiber
- Single Lane data rate up to 25.78Gb/s~27.95Gb/s
- Case Operating Temperature: 0 to 70°C

• 5G Wireless

- SFF-8436, SFF-8636
- 4WDM MSA

100G QSFP28 4WDM-10km

- Retimed 4-lane high speed Electric Interface
- LC Optical Interface
- Cooled CWDM DFB Laser
- Up to 10km transmission distance over Single mode fiber
- Single Lane data rate up to 24.33Gb/s~25.78Gb/s
- Case Operating Temperature: -40 to 85°C

Detailed Information

	100G QSFP28 LR4/ 4WDM-10km Transceiver											
Г	P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range		
	WMQO-LDMLRNC	QSFP28	LC	С	4x25.78Gbps	10km	LAN-WDM4 DML	-4.3~+4.5dBm	LAN-WDM PIN array	-10.6~+4.5dBm		
Г	WMQO-CDMLRNx	QSFP28	LC	I,C	4x25.78Gbps	10km	CWDM4 DML	-6.5~+2.5dBm	CWDM PIN array	-11.5~+2.5dBm		

^{*}Temp: I=Industrial, E=Extended, C=Commercial

25G SFP28 Wireless Transceiver

Applications

• 25G Ethernet

Reference Standards

- SFP28 MSA
- IEEE 802.3ba

Key Features

- Built-in CDR
- Duplex or BIDI LC Optical Interface
- CWDM DFB Laser
- Up to 10km transmission distance
- Power Consumption less than 1W

• SF

- SFF-8472, SFF-8431
- IEEE 802.3cc

5G wireless



Detailed Information

	25G SFP28 Wireless Transceiver								
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range
WMPL-131LRNx	SFP28	LC	I,C	24.33/25.78Gbps	10km	1310nm DFB	-7~+2dBm	PIN	-12~+2dBm
WMPL-B03LRNx	SFP28	LC/BIDI	I,C	24.33/25.78Gbps	10km	1270nm DFB	-7~+2dBm	1330nm PIN	-12~+2dBm
WMPL-B30LRNx	SFP28	LC/BIDI	I,C	24.33/25.78Gbps	10km	1330nm DFB	-7~+2dBm	1270nm PIN	-12~+2dBm
WMPL-xxxLRNC	SFP28	LC	С	24.33/25.78Gbps	10km	1271/1291/1311/ 1331nm DFB	-7~+2dBm	PIN	-12~+2dBm

^{*}Temp: I=Industrial, E=Extended, C=Commercial

10G SFP+ Wireless Transceiver

Applications

• 10G Ethernet

• CPRI

Reference Standards

- SFP+ MSA
- SFF-8472, SFF-8431
- IEEE 802.3ae

Key Features

- Duplex or BIDI LC Optical Interface
- 18 channels CWDM DFB Laser
- Up to 10km transmission distance
- Power Consumption less than 1W

Detailed Information

	10G SFP+ Wireless Transceiver								
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range
WMPK-131FRNI	SFP+	LC	I	2.5~10.3Gbps	2km	1310nm FP	-8.2~+0.5dBm	PIN	-14.4~+0.5dBm
WMPK-131LRNx	SFP+	LC	I,C	2.5~10.3Gbps	10km	1310nm DFB	-5.2~+0.5dBm	PIN	-14.4~+0.5dBm
WMPK -B03LRNx	SFP+	LC/BIDI	I,C	2.5~10.3Gbps	10km	1270nm DFB	-5.2~+0.5dBm	1330nm PIN	-14.4~+0.5dBm
WMPK -B30LRNx	SFP+	LC/BIDI	I,C	2.5~10.3Gbps	10km	1330nm DFB	-5.2~+0.5dBm	1270nm PIN	-14.4~+0.5dBm
WMPK -xxxLRNC	SFP+	LC	С	2.5~10.3Gbps	10km	18ch CWDM DFB	-5.2~+0.5dBm	PIN	-14.4~+0.5dBm

^{*}Temp: I=Industrial, E=Extended, C=Commercial

10G SFP+ WDM/TDM Transceiver

Applications

• 10G Ethernet

• SONET OC-192 / SDH STM-64

Reference Standards

- SFP+ MSA
- SFF-8472, SFF-8431
- IEEE 802.3ae
- ITU-T G.957/G.694/G.709

Key Features

- LC Optical Interface
- +3.3v Single power supply
- Up to 80km transmission distance
- · Low power consumption

Detailed Information

10G SFP+WDM/TDM Transceiver									
P/N Package Interface Temp* Data rate Distance Laser Output Power Detector Dynamic rang							Dynamic range		
WMPK-155ERNx	SFP+	LC	I,C	9.953~11.1Gbps	40km	1550nm EML	-4~+4dBm	PIN	-16~-1dBm
WMPK-155ZRNx SFP+ LC I,C 9.953~11.1Gbps 80km 1550nm EML 0~+5dBm APD -23~-7dBm							-23~-7dBm		
WMPK -xxxZRNC	SFP+	LC	С	9.953~11.1Gbps	80km	80ch DWDM EML	0~+5dBm	APD	-23~-7dBm

^{*}Temp: I=Industrial, E=Extended, C=Commercial

SFP/SFF Transceiver

Applications

• Gbit Ethernet • SONET OC-24

Reference Standards

• SFP MSA • IEEE 802.3z

• FF-8472

Key Features

• LC Optical Interface

• +3.3v Single power supply

• Up to 120km transmission distance

• Low power consumption

Detailed Information

	10G SFP+ Wireless Transceiver								
P/N	Package	Interface	Temp*	Data rate	Distance	Laser	Output Power	Detector	Dynamic range
WMPG-131LRNx	SFP	LC	I,C	1.25Gbps	10km	1310nm FP	-9~-3dBm	PIN	-22~-3dBm
WMPG -B2CLRNx	SFP	LC/BIDI	I,C	1.25Gbps	10km	1310nm FP	-9~-3dBm	1550nm PIN	-22~-3dBm
WMPG -BC2LRNx	SFP	LC/BIDI	I,C	1.25Gbps	10km	1550nm DFB	-9~-3dBm	1310nm PIN	-22~-3dBm
WMPG -155Z2Nx	SFP	LC	I,C	1.25Gbps	120km	1550nm DFB	0~+5dBm	APD	-32~-7dBm
WMPI -B2CL1Nx	SFP	LC/BIDI	I,C	2.4576~3.072Gbps	20km	1310nm DFB	-2~3dBm	1550nm PIN	-20~-3dBm
WMPI -BC2L1Nx	SFP	LC/BIDI	I,C	2.4576~3.072Gbps	20km	1550nm DFB	-2~3dBm	1310nm PIN	-20~-3dBm

^{*}Temp: I=Industrial, E=Extended, C=Commercial

10G PON ONU Transceiver

Applications

• 10G GPON FTTx • 10G EPON FTTx

Reference Standards

• SFP+ MSA • SFF-8472, SFF-8431 • IEEE 802.3av • ITU-T G.987.2/G.9807.1

Key Features

- SC Optical Interface
- +3.3v Single power supply
- 20km link on SMF
- Low power consumption

Detailed Information

	10G PON ONU Transceiver								
P/N	Package	Interface	Temp*	Data rate	Application	Laser	Output Power	Detector	Dynamic range
WMPK-131AENC	SFP+	SC/BIDI	С	Tx: 1.25Gbps Rx: 10.3125Gbps	10GEPON Asymmetrical	BM 1310nm DFB	+0.62~+5.62dBm	1577nm APD	-28.5~-10dBm
WMPK-127SENC	SFP+	SC/BIDI	С	Tx: 10.3125Gbps Rx: 10.3125Gbps	10GEPON Symmetrical	BM 1270nm DFB	+4~+9dBm	1577nm APD	-28.5~-10dBm
WMPK-127AGNC	SFP+	SC/BIDI	С	Tx: 2.488Gbps Rx: 9.953Gbps	XGPON	BM 1270nm DFB	+2~+7dBm	1577nm APD	-28~-8dBm
WMPK-127SGNC	SFP+	SC/BIDI	С	Tx: 9.953Gbps Rx: 9.953Gbps	XGSPON	BM 1270nm DFB	+4~+9dBm	1577nm APD	-28~-9dBm

^{*}Temp: I=Industrial, E=Extended, C=Commercial

ZTT-AWG 40 48

General Property:

A set of optical waveguide formed by a set of specific lengths, using the ability to divide waves. Mainly used in the production of high density wavelength and wave/demodulation.

Product Feature:

- 100GHz ITU channel space.
- Low insertion loss.
- Broadband transmission.
- High channel isolation.
- High stability and reliability.
- Without glue light path.



Parameter	Unit	Index
Channel Quantity		40,48
Working Wavelength Range	nm	C waveband
0.5dB bandwidth	nm	≥0.3
Pass band width	nm	λ ITU±0.11
Pass band flatness	dB	≤0.5
Insertion Loss	dB	≤6
Polarization dependent loss	dB	≤0.3
Adjacent channel isolation	dB	≥25
Non-adjacent channel isolation	dB	≥45
Return Loss	dB	≥45
Directivity	dB	≥50
Working Temperature	°C	-5-+65°C
Storage Temperature	°C	-40-+85

Outdoor Installation Accessories

Clip Wedge Clamp Function: To connect the figure-8 drop cable and the anchor. **Suspension Hang Function:** To form a strong point on suspension wires. **Wall mounting Hang Function:** To set up strong points outside the wall of buildings. **Adjustable Diameter Hold Hoop Function:** To form a fixture on the pole to make installation easy. **Arc Clip I Type Riveting Pieces Function:** To connect one or two flat drop cable with anchoring point. **Centre pole Cable Clamp Function:** It is applied for self-supporting drop cable and fixed in the middle of the rod line. Multiple card slot fixture To fix less than 4 cables on the wall when the span does not exceed 15 meters.

Indoor Auxiliary Installation Accessories

Groove for Holding Drop Cable Function: To fasten the drop cable in the groove.	
Plastic Fastener Function: To lay drop cables indoor with direct percussive nailed way.	
The Line Groove Function: To lay drop cables in straight line.	
Screw Fastener Function: To lay the figure-8 drop cable outside in screwing fasten way.	
Flexible Pipe Function: Using when the cable lines go across the power line or the uneven wall surface.	
External Corner Function: Using when the cable lines turn 90 degree externally.	>>>
Ending Groove Function: To protect the drop cable at the end of cable line.	(I) CERRO
Wall bushing Function: To protect drop cable when pass through the hole in the wall.	
Turning Groove Function: Using when the cable line needs to turn a corner.	3 2 2

Optical Cable Distribution Box

Cable distribution box series include optical distribution box, optical splitting box and optical termination box which are used for cables' splicing, storage, distribution, splitting and termination.

Main parameters:

- Environment temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$ (indoor),
- -40°C \sim +60°C (outdoor);
- Relative humidity: $\leq 85\%(+30^{\circ}\text{C})$;

- \cdot Air pressure: 70KPa \sim 106Kpa;
- Voltage Proof: ≥3000V(DC);
- Insulating resistance between the metal parts of the body and grounding fitting: $\geq 2 \times 10^3 M\Omega/500V(DC)$.

Optical distribution & splitting box series

GF01-BJ12/24L (Indoor & Outdoor, splitter for option)

- · Cold-rolled steel material, good appearance;
- Special fixture for butterfly cable;
- IP55 (Outdoor), IP53 (Indoor);
- 450*300*100mm.



GF03-BJ(16/32F) (Indoor & Outdoor, splitter for option)

- Cold-rolled steel material, good appearance;
- 4pcs1*8 or 2pcs1*16 blade package type splitter can be installed;
- IP55 (Outdoor), IP53 (Indoor);
- 460*340*105mm(Max size).



GFS03-GS24SC(Indoor & Outdoor, splitter for option)

- · ABS+PC alloy material;
- Maximum Capacity:24 Cores;
- IP55 (Outdoor), IP53 (Indoor);
- 320*235*100mm.



Optical Cable Distribution Box

GF03-GS/C16SC(Indoor & Outdoor, splitter for option)

- ABS+PC alloy material;
- 2 pcs 1*8 blade package type splitter are optional;
- IP55 (Outdoor), IP53 (Indoor);
- Maximum Capacity:16 Cores;
- · 330*260*130mm.



GF03-GS/C32SC(Indoor & Outdoor, splitter for option)

- ABS+PC alloy material;
- 4 pcs 1*8 or 2 pcs 1*16 blade package type splitter are optional;
- IP55 (Outdoor), IP53 (Indoor);
- 412*312*140mm.



GF03-GS36SC(Indoor & Outdoor)

- ABS+PC alloy material;
- Maximum Capacity:48 Cores;
- IP55 (Outdoor), IP53 (Indoor);
- 412*312*140mm.



GF03-BS12LF-2 (Indoor & Outdoor, splitter for option)

- ABS material, good anti-aging performance;
- Reversible structure, easy to operate;
- Special fixture for butterfly cable;
- blade package type splitter is optional;
- IP55 (Outdoor), IP53 (Indoor);
- 310*250*95mm.





Note: above box size just for reference, and capacity and appearance could be customized.

Optical Cable Distribution Box

Optical Termination Box Series (Wall Mount Series)

GPF02-6/12R

- Cold-rolled steel material, compact structure;
- Direct fuse function;
- Special outlet for drop cable;
- 285*130*42mm.



GPF02-8/12/24R-2

- Cold-rolled steel material, compact structure;
- Special outlet for drop cable;
- Outlets are design on both sides, easy to operate;
- 300*130*45mm.



GPF02-12/24ZR

- Cold-rolled steel material, compact structure;
- Special outlet for drop cable;
- FC, SC, ST and LC adaptor are available;
- 300*130*88mm.



Optical Termination Box Series (Rack Type Series)

GPF01-12/24ZR

- Cold-rolled steel material, compact structure;
- 19" rack installation;
- FC, SC, ST and LC adaptor are available;
- 483*250*44mm and 483*200*44mm





Note: above box size just for reference, and capacity and appearance could be customized.

Broadband Access Box Series

Description:

Broadband access box is used for drop cable's termination and connected to ONU, separating the Voice, Internet and IPTV service. It mainly includes individual type and multi-users type, individual type is used in user's home to accomplish FTTH, multi-users type is used in corridor or floor to accomplish FTTB.

Environmental requirements:

- Environment temperature: $-20\,^{\circ}\text{C} \sim +45\,^{\circ}\text{C}$; Storage Temperature: $-25\,^{\circ}\text{C} \sim +55\,^{\circ}\text{C}$.
- Storage relatively humidity: ≤75%.

- Relative humidity: ≤85%(+30°C).
- Air pressure: 70Kpa~106 kPa.

SPX02-QJ-2

- Compact structure, embedded design, suit for FTTH;
- Install 1 ONU;
- Dimension: 385*290*150mm.





SPX02-QJ-1

- $\bullet \ Compact \ structure, embedded \ design, suit for \ FTTH;$
- Installation plate for ONU is reversible, easy to operate;
- Install 1 ONU;
- Dimension: 300*450*120mm.



SPX01-BJ200T

- $\bullet \mbox{Three functions areas: power, equipment and fiber distribution;} \\$
- Install 2 ONU, each ONU afford 16 FE interfaces and 16 Ports, suit for FTTB;
- Configure fans and switch of thunder-proof;
- Dimension: 700*600*150mm.



SPX01-BJ300T

- Spare space for chip type splitter;
- Install 2 ONU, each ONU afford 16 FE interfaces and 16 Ports, suit for FTTB;
- Dimension: 550*600*200mm.



OCC (Optical Cross Connecting Cabinet)

Description:

The OCC is used in the node between the feeder cable and distribution cable's distribution flexibly, supplies a safe, flexible distribution cable, accomplishing the main cable's storage and and reliable optical distribution node in Access Network.



Main characteristics:

Environment:

- Work temperature: -40°C ~+60°C;
- Relative humidity: ≤95% (+40°C);
- Air pressure: 70kPa~106kPa;

Photoelectricity Performance:

- Insertion loss of optical connector (include interchangeability and repeatability) ≤0.3dB;
- Return Loss: APC≥60dB; UPC≥50dB; PC≥40dB;
- Connector durability: ≥500 times;
- Insulating resistance between the metal parts of the cabinet body and grounding fitting: $\geq 2*104M\Omega/500V(DC)$;
- Voltage Proof: 3000VDC/1min;
- Cross area of earth wire:≥6mm2.

Mechanical Performance:

- Front surface of the OCC could endure vertical force more than 1000N, the farthest side of the door could endure vertical force more than 200N when the door is open;
- Seal performance: IP65.
- Curvature radius of the fiber in the OCC ≥30mm.

OCC (Optical Cross Connecting Cabinet)

SMC series:

High polymer material is adopted in the cabinet body, light weight and good mechanical strength, suit for the situation of high humidity and much rain.



Order information:

Consideration	Cabinet Dimension	Base Dimension (mm)	Conscitu	Dimension H*W*D(mm)	
Specification	H*W*D	H*W*D	Capacity	Dimension in W D(min)	
GXF-HS48	440*310*180	No base	48	Wall/Aerial	
GXF-HS96	775*545*300	250*545*300	96	Wall/ Floor	
GXF-HS144	775*545*300	250*545*300	144	Floor /Aerial	
GXF-HS288	1100*750*305	350*750*305	288	Floor /Aerial	
GXF-HS576	1100*750*520	350*750*520	576	Floor /Aerial	
GXF-HS1152	1550*1455*652	350*1455*652	1152	Floor /Aerial	

Stainless steel series:

Cabinet body is adopted double layers stainless steel structure, heat insulating material is used in the middle layer, used in the situation of weather enormous change.



OCC (Optical Cross Connecting Cabinet)

Order information:

Consideration	Cabinet Dimension	Base Dimension (mm)	Conscitu	Discoursion [1*14/*D/sess)	
Specification	H*W*D	H*W*D	Capacity	Dimension H*W*D(mm)	
GXF-HB96	640*580*320	No base	96	Wall	
GXF-HB96	640*580*320	250*580*320	96	Wall/Floor	
GXF-HB144	750*580*320	250*580*320	144	Floor /Aerial	
GXF-HB288	1090*750*320	300*750*320	288	Floor /Aerial	
GXF-HB576	1090*750*540	300*750*540	576	Floor /Aerial	
GXF-HB1152	1200*1390*580	300*1390*580	1152	Floor /Aerial	

No-jumper OCC

Description:

Adopting special design decreases 1 pair of optical connectors in an optical link. Improve the communication quality, spare the optical power, and reduce the transmission loss. Each function module is separate; cable wire is easy to distinguish.

No-jumper OCC with cassette type splitter:



No-jumper OCC with blade package type splitter:



Note: the capacity of no-jumper OCC could be customized.

ODF-Optical Distribution Frame series

Description:

ODF series are suitable for central office, optical access joint of subscribers' fiber access construction, accomplishing cable's leading, fixing and peeling, as well splicing and protecting for fiber, storing and managing for pigtail, fiber's fixing and cross connecting and so on; and accommodate for splitter or WDM according to requirements.

Main characteristics:

- Module design, front and back operation, standard 19" installation;
- Fiber distribution unit is available, large density and capacity, spare space of central office;
- Optical cable, pigtail and patch cord are independent;
- Cold-rolled steel, static spraying plastic treatment, nice appearance.

GPX02 Type

- Suit for medium capacity of optical fiber access;
- All close structure, front operation;
- Back to back or against the wall installation;
- Occupy less space under the same capacity.





Order Information:

Туре	Dimension(mm)H*W*D	Capacity(core)	Note
GPX02-600Y1	2000*600*300	360	Configure 30 pcs Integrated trays
GPX02-600Y2	2200*600*300	504	Configure 42 pcs Integrated trays
GPX02-600Y3	2600*600*300	576	Configure 48 pcs Integrated trays
GPX02-840Y1	2000*840*300	576	Configure 48 pcs Integrated trays
GPX02-840Y2	2200*840*300	720	Configure 60 pcs Integrated trays
GPX02-840Y3	2600*840*300	864	Configure 72 pcs Integrated trays

ODF-Optical Distribution Frame series

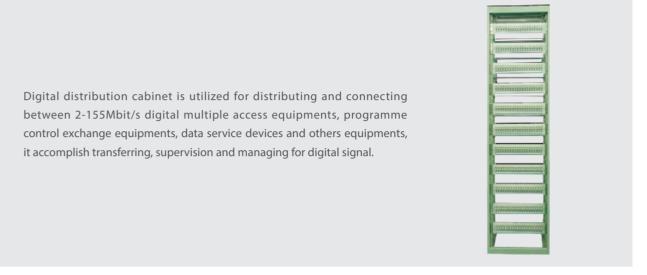
GPX03 Type



Order Information:

Туре	Dimension(mm)H*W*D	Capacity(core)	Note
GPX03-840Y1	2000*840*300	504	Configure 7 pcs GPX-72YD-1
GPX03-840Y2	2200*840*300	576	Configure 8 pcs GPX-72YD-1
GPX03-840Y3	2600*840*300	720	Configure 10 pcs GPX-72YD-1
GPX-12YD-1	44*483*285	12	
GPX-24YD-1	88*483*285	24	10//
GPX-48YD-1	130*483*285	48	19" rack mounted
GPX-72YD-1	175*483*300	72	

Digital Distribution Cabinet



Order information:

Name	Type	Dimension (mm)	Max Capacity	Note	
Nume	Турс	H*W*D	wax capacity	Note	
	MPX02-520K450S1	2000*520*450	288 system		
	MPX02-520K450S2	2200*520*450	320 system	-	
Cabinet	MPX02-520K450S3	2600*520*450	384 system	- Double Sides	
Cabinet	MPX02-480K450S1	2000*480*450	288 system	- Double Sides	
	MPX02-480K450S2	2200*480*450	320 system	_	
	MPX02-480K450S3	2600*480*450	384 system		
	MPX-8X465/400-1	/	8 system	Max 90° rotation	
Digital Module	MPX-10X465/400-1	/	10 system	Max 90° rotation	
	MPX-16X465/400-1	/	16 system	Max 90° rotation	
Test wire	CS	3m/5m	2Pcs/ cabinet	/	
Distribution wire	TX	3m/5m	2Pcs/ cabinet	/	

Multi-purpose Cabinet

Description:

Multi-purpose box can provide 19 inches standard installation space to integrate varies active and passive 19 inches standard equipment in one Multi-purpose box. It is flexible to configure ODF, DDF, MDF. The multi-purpose cabinet is an ideal distribution equipment for communication network's remote office and module.

Main characteristics:

- Welded into the frame, static spraying plastic treatment.
- The cabinet deploys shelf and power plate, could install the passive and active equipments flexibly.
- Glass door or mesh door as you choose for front door, doors are detachable.



Order Information:

Туре	Dimension mm (H*W*D)	Effective Height (U)
JPX01-600K450S0	1800*600*450	35U
JPX01-600K450S1	2000*600*450	40U
JPX01-600K450S2	2200*600*450	42U
JPX01-600K600S0	1800*600*600	35U
JPX01-600K600S1	2000*600*600	40U
JPX01-600K600S2	2200*600*600	42U
JPX02-600K450S0	1800*600*450	35U
JPX02-600K450S1	2000*600*450	40U
JPX02-600K450S2	2200*600*450	42U
JPX02-600K600S0	1800*600*600	35U
JPX02-600K600S1	2000*600*600	40U
JPX02-600K600S2	2200*600*600	42U

Note: • Please specify the accessories you need when order.

• Dimension can be customized.

Network Cabinet

Description:

The network cabinet is used in the equipment room for various communication, power, railway, building, bank, national defence, finance, colleges.

Main characteristics:

- Cabinet body is welded wholly by metal plates, ensures it having the high strength.
- Outer frame is sectional structure, easy installation and combination, complying with 19/21 inches safety industrial standard.
- The front door is adopted toughened glass, the back door is steel, the side door is detachable.
- Could avoid the imbalance caused by the various equipment dimension with the adjustable pillar.
- Ensure having a good air ventilation by three ventilation styles.



Order Information:

Туре	Dimension mm (H*W*D)	Effective Height (U)
BPX01-600K1000S0	2000*600*1000	40U
BPX01-600K1000S1	2200*600*1000	44U
BPX01-600K1000S2	2600*600*1000	54U
BPX01-600K1100S0	2000*600*1100	40U
BPX01-600K1100S1	2200*600*1100	44U
BPX01-600K1100S2	2600*600*1100	54U
BPX02-600K1200S0	2000*600*1200	40U
BPX02-600K1200S1	2200*600*1200	44U
BPX02-600K1200S2	2600*600*1200	54U

Note

- \bullet Please inform the accessories, the way of front and back plate, and assemble way.
- Dimension can be customized.

Outdoor Integrated Cabinet

Description:

In order to change the original construction mode is mainly by copper access, extend optical fiber to user terminal as much as possible, ZTT designs and promote Outdoor Integrated Cabinet. In rural area, it adopts wired way for construction area, where optical fiber is connected to administrative village, and at the right time to promote fiber construction to home. In the light of strategy of "fiber replaces copper"; outdoor integrated cabinet, with the advantages of "low cost, convenient location selection and easy construction", has become an important supplementary means for solution of machine room construction investment and location selection pressure.



Product Characteristics:

- Double layer' stainless steel structure, with the heat insulating middle layer, endure temperature's sudden drop and condensation;
- 19" standard design and nonstandard equipment platform, to

install ONU/ONT, ADSL/VDSL, AG, IAD, etc;

- Protection level: IP55;
- Earthed system is safe;
- · Cabinet durability exceeds 20 years.

ZTM02-400F



Dimension: 1200*800*450mm;

Configuration:

- Equipment Chamber: power distribution unit, power for switch, Optical Distribution Unit (12/24 cores), clapboard, fans for ventilation;
- Battery Chamber: 48V;
- Wire Distribution Chamber: 608 loop line for equipment, 400 loop line for wire distribution.

Outdoor Integrated Cabinet

ZTM02-600F



Dimension: 1600*800*750mm;

Configuration:

- Equipment Chamber: power distribution unit, power for switch, Optical Distribution Unit (12/24 cores), clapboard, fans for ventilation;
- Battery Chamber: 48V;
- Wire Distribution Chamber: 768 loop line for equipment, 600 loop line for wire distribution.

ZTM01-CK



Dimension: 1675*910*910mm;

Configuration:

• Equipment Chamber: power distribution unit, power for switch, lithium battery and equipments of base, etc.

Advantage: Accommodate for distributed BBU+RRU of base and build a "no-room" base, save the investment.

Micro Power Smart Lock

Unlocking method:

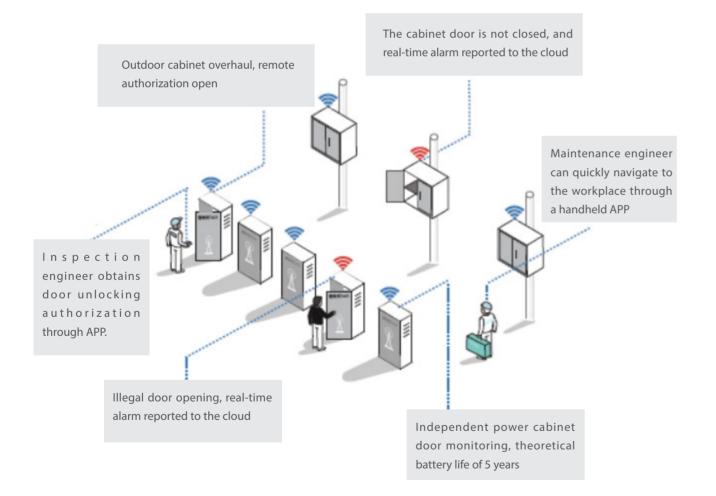
- APP,.Provisional Authority,
- Period password Authorization,
- Pre-authorization password authorization,

Technical Characteristics:

- Cloud real-time monitoring cabinet door status.
- Cloud real-time authorization of the cabinet door.

- Remote NB loT unlock,
- Emergency unlock of independent construction,
- SMS unlock
- The handheld APP is rich in functions.
- Low cost, low energy consumption.

Application Scenarios:



Antenna

Base station antenna:



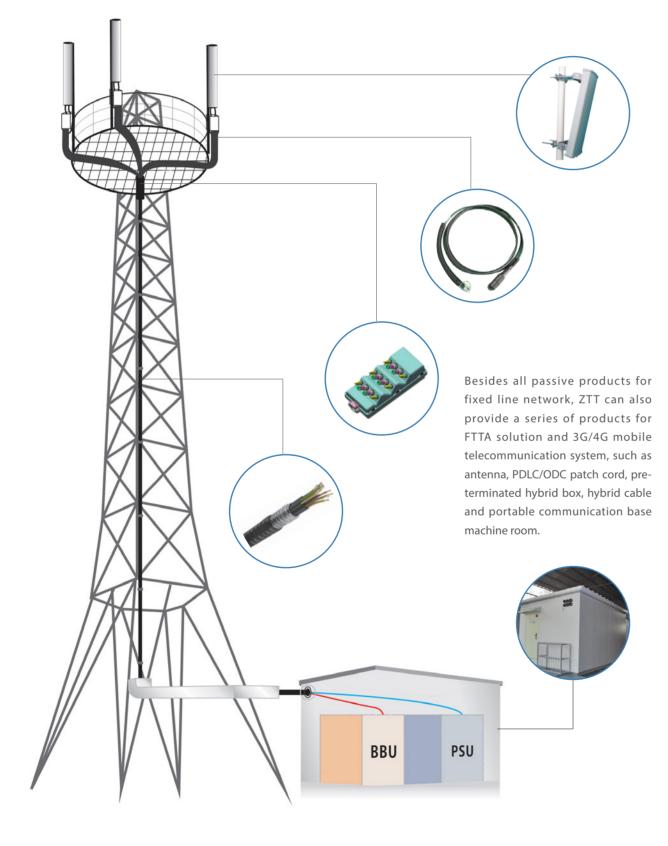
Embellished antenna:



Indoor antenna:



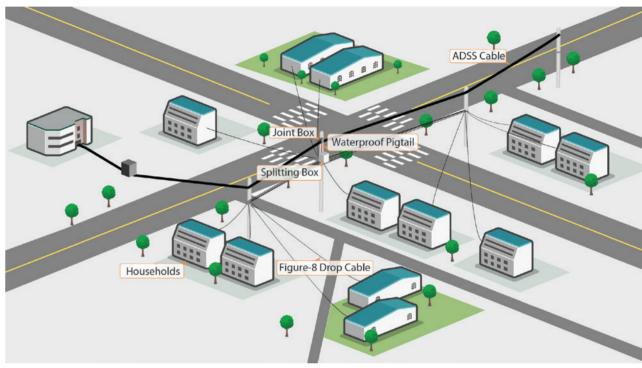
ZTT Products for FTTA/4G Solution



Typical Experience—ZTT FTTH Project in Zimbabwe

- First FTTH Project in Zimbabwe
- ZTT's first total-package overseas FTTx project
- Turnkey Solution—including solution design, products supply, training, installation guide, and construction supervision
- 1st Project: 800 households; 2nd Project: 1600 households,3nd Project: 5400 households

ZTT' FTTH Project Diagrammatic Profile in Zimbabwe



Products	Products Picture
Cables	
Boxes	
Main Installation Accessories for ADSS	
Main Installation Accessories for Drop Cable	
Indoor Layout Accessories	

Certification and Qualification













Zhongtian Broadband has established a complete, advanced quality inspection process for controlling raw materials and products quality. At the same time, Zhongtian broadband has received many types of authentications, such as ISO9001, ISO14001, TL Certification, Network Access Certificate, and Utility Model Patent Certificate.

Test Facilities







Insertion&return loss tester

Salt water ingestion test cabinet

Electrodynamic vibration shaker







Interferometer

Thickness meter

Insulation resistance tester







Temperature and humidity chamber

Dustproof test cabinet

Digital pull tester

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According to test requirements from different customers, Zhongtian Broadband has passed the tests by authoritative institutions in domestic and overseas. The authoritative institutions include Quality Supervision &Inspection Center of Optical Communication Products, Ministry of Information Industry of P.R.C.