

FTTH

FIBER TO THE HOME

All in equipment and accessories



GLOBAL
TOWN
GROUP LLC

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Global Town Group LLC
1255 Skylark DR
Weston, FL 33327

Optical Network Unit (ONU)

A SmarterWay for Your Broadband Life

WTTV0821, an intelligent routing-type CATV

1POTS+1GE+3FE+CATV+1USB+WIFI



Device Parameters

Dimensions (HxWxD): external antenna and pads)
 30 mm x 199 mm x 135 mm (without external antenna and pads)
Weight: About 300 g
Operating temperature: 0°C to + 40°C
Operating humidity: 5% RH to 95% RH (non-condensing)
Power adapter input: 100-240 V AC, 50/60 Hz
System powersupply: 11-14 V DC, 1 A
Static power consumption: 6 W
Max. power consumption: 12 W
NNI: GPON
UNI: 1POTS+1GE+3FE+CATV+1USB+Wi-Fi 5dB
Optical connector: SC/APC
Indicators: POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS/CATV
Installation mode: On the desk, or on the wall
Compliance certification: CE/WiFi

Interface Parameters

GPON PORT

- *Class B+
- *Receiver sensitivity: -27 dBm
- *Overload opticalpower: -8 dBm
- *Wavelengths: US 1310nm, DS 1490nm
- *Wavelength blockingfilter (WBF) of G.984.5
- *Flexible mappingbetween GEM Port and TCONT
- *GPON: consistent with the SN or password authentication definedin G.984.3
- *Bi-directional FEC
- *SR-DBA and NSR-DBA
- *Type B (single-homing&dual-homing)

ETHERNET PORT

- *Ethernet port-based VLAN tags and tag removal
- *1:1 VLAN, N:1 VLAN, or VLAN transparent transmission
- *QinQ VLAN
- *Limit on the number of learned MAC addresses
- *MAC address learning
- *Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s

CATV PORT

- *Frequency Range 54 MHz to 870 MHz
- *Output resistance 75 ohms
- *Received averageoptical power: -8dBm to+2dBm
- *RF outputpower: ≥17dBmV/Ch
 (With RF source analog channel power input = 20dBmV/ch, and 40 analog / 63 digital channels (4.3% OMI analog, 2.15 % digital))

POTS PORT

- *Maximum REN: 4
- *G.711A/μ, G.729a/b, and G.722 encoding/decoding
- *T.30/T.38/G.711 fax mode
- *DTMF
- *Emergency calls (with the SIP protocol)

USB PORT

- *USB2.0
- *FTP-based network storage
- *File/Print sharing based on SAMBA
- *DLNA function

WLAN

- *IEEE 802.11 b/g/n
- *2 x 2 MIMO
- *Antenna gain: 5dBi
- *WMM/Multiple SSIDs/WPS
- *Air interface rate: 300 Mbit/s

Product Function

Smart interconnection

- *Smart Wi-Fi coverage
- *SIP/H.248 auto-negotiation
- *Any port any service
- *Parental control
- *L2/L3(IPv4) forwarding: 1G uplink, 2G downlink

Smart service

- *Scheduled Wi-Fi shutdown
- *Smart Wi-Fi sharing:
Portal/802.1x authentication
SoftGRE-based sharing
- *Association of one account with two POTS ports

Smart O&M

- *IPTV video quality diagnosis
- *eMDI
- *Rogue ONT detection and isolation from the OLT
- *Call emulation, and circuit test and loop-line test
- *PPPoE/DHCP simulation testing
- *WLAN emulation

Layer 3 Features

- *PPPoE/Static IP/DHCP
- *NAT/NAPT
- *Port forwarding
- *ALG, UPnP
- *DDNS/DNS server/DNS client
- *IPv6/IPv4 dual stack,and DS-Lite
- *Static/Default routes
- *Multiple services on one WAN port

Multicast

- *IGMP v2/v3 proxy/snooping
- *MLD v1/v2 snooping

QoS

- *Ethernet port rate limitation
- *802.1p priority
- *SP/WRR/SP+WRR
- *Broadcast packet rate limitation

Common O&M

- *OMCI/Web UI/TR069
- *Variable-length OMCI messages
- *Dual-system software backup and rollback

Security

- *SPI firewall
- *Filtering based on MAC/IP/URL addresses

Power Saving

- *Indicator power saving
- *COC V5





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For Your **High-Speed** Broadband Life

WT21G7, Easy to Manage, Extreme Reaction Speed

1GE+3FE+1POTS+1USB+WIFI



Device Parameters

Ports: 1GE+3FE+POTS+USB

Dimensions (HxWxD): 150mm*115mm*35mm (without an external antenna)

Weight: About 250g

Interface Parameters

OPTICAL PORT

*1xGPON interface (SC/UPC)

*Clase B+

*Sensibilidad del receptor: -27dBm

*Longitudes de Onda: US 1310nm, DS 1490nm

*Distancia de transmisión: 0 ~ 20km

*Velocidad de transmisión: 2.488 Gbps bajada;

*1.244 Gbps subida

USER NETWORK INTERFACE

*1 x GE (puerto Giga Ethernet)

*3 X FE (puertos Fast Ethernet)

*1 x POTS (puerto telefónico)

*1 x USB

Main Function

Supported service

- *VoIP, Internet
- *VLAN: 802.1Q, 802.1P, 802.1ad
- *MAC address table: 1k
- *L3 function: DHCP server/Client/Relay,NAT
- *VoIP: SIP/H.248, G.711/G.729, T.30/T.38
- *Wi-Fi: WPS
- *Wi-Fi authentication:
- *WPA-PSK, WPA2-PSK, WPA-PSK + WPA2-PSK
- *Management: Web UI,TR069, ACS
- *USB: USB backup



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Weston, FL 33327

For Your **High-Speed** Broadband Life

TT919G5, Easy to Manage, Fast to Connect Gigabit Routing

1GE+3FE+1POTS+1USB+WIFI



Device Parameters

Ports: 1GE+3FE+POTS+USB

Dimensions (HxWxD): 170mm*120mm*32mm (without an external antenna)

Weight: About 300g

Interface Parameters

OPTICAL PORT

*1xGPON interface (SC/UPC)

*Class B+

*Receiver sensitivity: -27dBm

*Wavelengths: US 1310nm, DS 1490nm

*Transmission Distance: 0 ~ 20km

*Transmit rate: 2.488Gbps downstream;
1.244Gbps upstream

USER NETWORK INTERFACE

1xGE,3xFE; Auto negotiation

1xPOTS interface

1xUSB host interface

Main Function

Supported service

- *VoIP, Internet
- *VLAN: 802.1Q, 802.1P, 802.1ad
- *MAC address table: 1k
- *L3 function: DHCP server/Client/Relay,NAT
- *VoIP: SIP/H.248, G.711/G.729, T.30/T.38
- *Wi-Fi: 4 SSIDs, WPS
- *Wi-Fi authentication:
 - *WPA-PSK, WPA2-PSK, WPA-PSK + WPA2-PSK"
- *Management: Web UI,TR069, TMS1000 manageable
- *USB: USB backup



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EG8141A5, a routing-type ONT in the all-optical access solution

1GE + 3FE + 1POTS + 1USB + 2.4G Wi-Fi 5dBi



Device Parameters

Dimensions (HxWxD): 152 mm x 105 mm x 30 mm

Weight: About 0.5kg

Operating temperature: 0°C to 40°C

Operating humidity: 5% RH to 95% RH (non condensing)

Power adapter input: 100-240 V AC, 50/60 Hz

System powersupply: 11-14 V DC, 1 A

Static power consumption: 3.1 W

Max. power consumption: 7.15 W

NNI: GPON

UNI: 1GE + 3FE + 1POTS + 1USB + 2.4G Wi-Fi 5dBi

Optical connector: SC/UPC

Indicators: Power/PON/LOS/LAN1/LAN2/ LAN3/LAN4/TEL/USB/WLAN/ WPS

Interface Parameters

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- *MAC address learning
- *GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
- *FE: Auto-adaptive 10 Mbit/s or 100 Mbit/s

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- *G.711A/μ, G.729a/b, and G.722 encoding/decoding
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- *DTMF
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WLAN

- *IEEE 802.11 b/g/n
- *2 x 2 MIMO
- *Antenna gain: 5dBi
- *WMM/Multiple SSIDs/WPS
- *Air interface rate:300 MbPS

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- *Dual-system software backup and rollback

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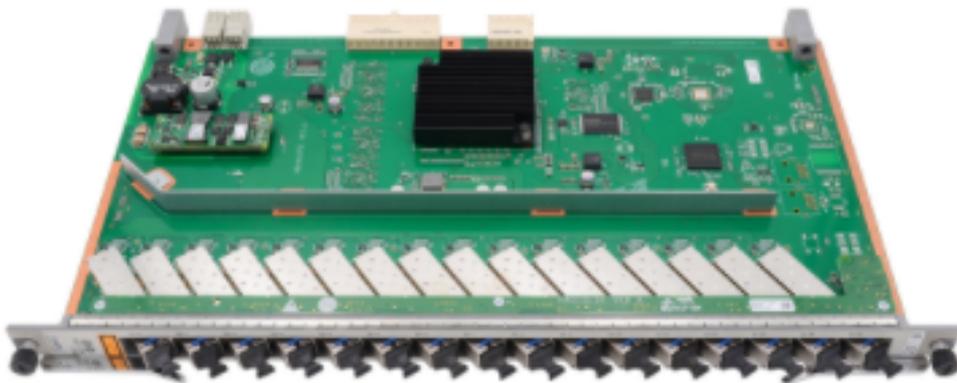
Power Saving

- *Indicator power saving

GPON OLT Interface Board

H806GPFD

H806GPFD is an 16-port GPON OLT interface Board, It works together with the ONU to provide GPON



Benefits

- **High density and energy saving**
 - High density and low power consumption, supporting 2048 access users
- **High reliability**
 - Chip-level type B protection (single-homing and dual-homing) and type C protection (single-homing and dual-homing) switching
 - Real-time rogue ONU detection and isolation, ensuring stable service running
- **High-value services**
 - 4-level HQoS, improving user experience
 - 9216 jumbo frames, greatly improving transmission efficiency
- **Efficient OAM**
 - Variable-length of OMCI, improving upgrade efficiency and reducing break off time
 - A maximum distance difference of 40 km between two ONUs under the same PON port (board capability), simplifying network planning

External Interfaces

16 GPON ports with SFP optical modules:

- Max. split ratio:
 - Class B+: 1:64
 - Class C+/C++: 1:128

Specifications

Function	
Forwarding capability	40 Gbit/s
T-CONTs per PON port	1024
Service flows per PON board	16368
Maximum frame size	2004 bytes 9216 bytes (jumbo frame enabled)
MAC addresses	32768
Maximum distance difference between two ONUs under the same PON port (board capability)	40 km
N:1/1:1 VMAC	Supported
FEC	Bidirection
CAR group	Supported
IPv6	Supported
4-level HQoS	Supported
Variable-length OMCI	Supported
ONU-based shaping or queue-based shaping	Supported
Load sharing	Supported
High-precision clock time synchronization	Supported
Type B protection (single-homing and dual-homing)	Supported
Type C protection (single-homing and dual-homing)	Supported
Rogue ONU detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Automatic shutdown of an idle port	Supported
1588v2	Supported
Environment	
Operating temperature	-40° C to +65° C
Power consumption	<ul style="list-style-type: none"> • Static: 20 W • Maximum: 46 W



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H806GPBH

H806GPBH is an 8-port GPON OLT interface Board, Which works with the ONU to provide GPON access service



Benefits

- **High-precision clock and time synchronization:** 50-ppb frequency synchronization and 100-ns phase synchronization
- **High reliability**
 - Chip-level type B protection switching, shortening the switching time to less than 50 ms
 - Type C protection dual-homing, providing geography-level disaster recovery
 - Real-time rogue ONU detection and isolation, ensuring stable service running
- **Easy OAM**
 - Variable-length OMCI, improving upgrade efficiency and reducing break off time
 - A maximum distance difference of 40 km between two ONUs under the same PON port, simplifying network planning
 - 1:64 eOTDR, supporting accurate fault demarcation and quick fault locating

External Interfaces

8 GPON ports with SFP optical modules:

- Max. split ratio:
 - Class B+: 1:64
 - Class C+/C++: 1:128



Specifications

Function	
Forwarding capability	20 Gbit/s
T-CONTs per PON port	1024
Service flows per PON board	8184
Maximum frame size	2004 bytes
MAC addresses	16384
Maximum distance difference between two ONUs under the same PON port	40 km from V800R013
N:1/1:1 VMAC	Supported
FEC	Bidirection
CAR group	Supported
IPv6	Supported
4-level HQoS	Not supported
Variable-length OMCI	Supported from V800R013
ONU-based shaping or queue-based shaping	Supported
Load sharing	Supported
High-precision clock time synchronization	Supported
Type B/Type C protection	Supported
Rogue ONU detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Automatic shutdown of an idle port	Supported
1:64 eOTDR	Supported (used together with the reflector)
Environment	
Operating temperature	-40° C to +65° C
Power consumption	<ul style="list-style-type: none"> • Static: 32 W • Maximum: 46 W



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Erbium Doped Fiber Amplifier (EDFA)

FWAP-1550H-32xN Series, 32 ports PON&CATV WDM EDFA



Technical Parameters

Items	Unit	Performance Index
Optical Operating Wavelength	nm	1535 ~ 1565
Input Optical Power Range	dBm	-10 ~ +10
Noise Ratio	dB	≤5.0 (0 dBm,@1550nm)
Gain Flatness	dB	< ±0.3
Optical Power Output Stability	dB	< ±0.5
Polarization Sensitivity	dB	< 0.2
Polarization Mode Dispersion	Ps	< 0.5
Input End Pump Leakage Power	dB	≤-30
Output End Pump Leakage Power	dB	≤-30
Optical Input, Output Return Loss	dB	> 45 (APC Stepped Face)
Pump Operating Number	PCs	2 ~ 5
Rated Output Power	dBm	27 ~ 42
Linker(IN)	-	SC/APC or LC/APC
Linker(OUT)	-	SC/APC or LC/APC
Power Supply/Consumption	V/W	AC 90 ~ 265 or DC-48/20
Operating/Storage Temperature	°C	-20 ~ 65/-30 ~ 70

Operating/Storage Humidity		%	5 ~ 90
Case Size		mm	530×486×88 (2U)
			530×486×133 (3U)
Network Management Connector		/	RJ45(following national network management standard, supports WEB)
PON Optical Path with WDM	PON Wavelength	mm	1310/1490
	XG(S)- PON Wavelength		1310/1490 & 1270/1577 (customized)
	PON Linker	/	SC/UPC or LC/UPC
	Uplink optical ports	pcs	32
	Output ports	Pcs	32
	PON Insertion Loss	dB	< 1.2
	1550 Port Insertion Loss	dB	< 0.7
	Optical isolation	dB	40
Optical Switch	Insertion Loss	dB	< 1
	Harass	dB	< -60 (isolation between A and B)
	Switch Time	ms	< 10
	Switched Power Threshold Range	dBm	-5 ~ 10

Optical Line Terminal (OLT)

SmartAX MA5608T

Global First All-in-one Access Platform



SPECIFICATIONS

Dimensions (HxWxD): 150mm*115mm*35mm (without an external antenna)

Operating Environment: Temperature: -40°C to +65°C RH: 5% to 95%

Power Parameter: Supports DC and AC power supply modes, and dual-power supply protection. Provides battery for power backup when AC power is used.

Cabinet: Indoor: N63E-22 Outdoor: F01S200

Configuration: control board: 2 /Service board: 2 /Power interface board: 1

MTBF: ≈45 years

Switching Capacity of the Backplane Bus: 720Gbit/s

Switching Capacity of the Control Board: MCUD/MCUD1: 128Gbit/s (Standby mode), 256Gbit/s (Load-sharing mode)

Access Capacity: 8*10G GPON / 32*GPON / 96*GE



ODF Patch Panel

ODF Patch Panel P1 Series with 12 adaptors SC/APC

ODF patch panels are designed to provide a high density 19" rack-mountable solution for next generation fiber networks, it is used as terminal equipemnt of fiber optical cable for fiber patching,fixation,splicing and management.

Specification

ODF Patch Panel Parameter

Adaptor Type	SC,FC,ST,Duplex SC,Duplex LC
Capacity	12,24,48,72,96 fibers
Body Material	Cold rolled steel or stainless steel
Surface Treatment	Powder coating black or white color
Installation Method	Standard 19 inch rack mount
Size Dimension(mm)	485(W) x325(D)x46(H)(19"1U) for 12/24F 485(W) x325(D)x92(H)(19"2U) for 48F 485(W) x325(D)x140(H)(19"3U) for 72F 485(W) x325(D)x185(H)(19"4U) for 96F
Strengthen Member Fixation	Yes
Bending Radius(mm)	> 40

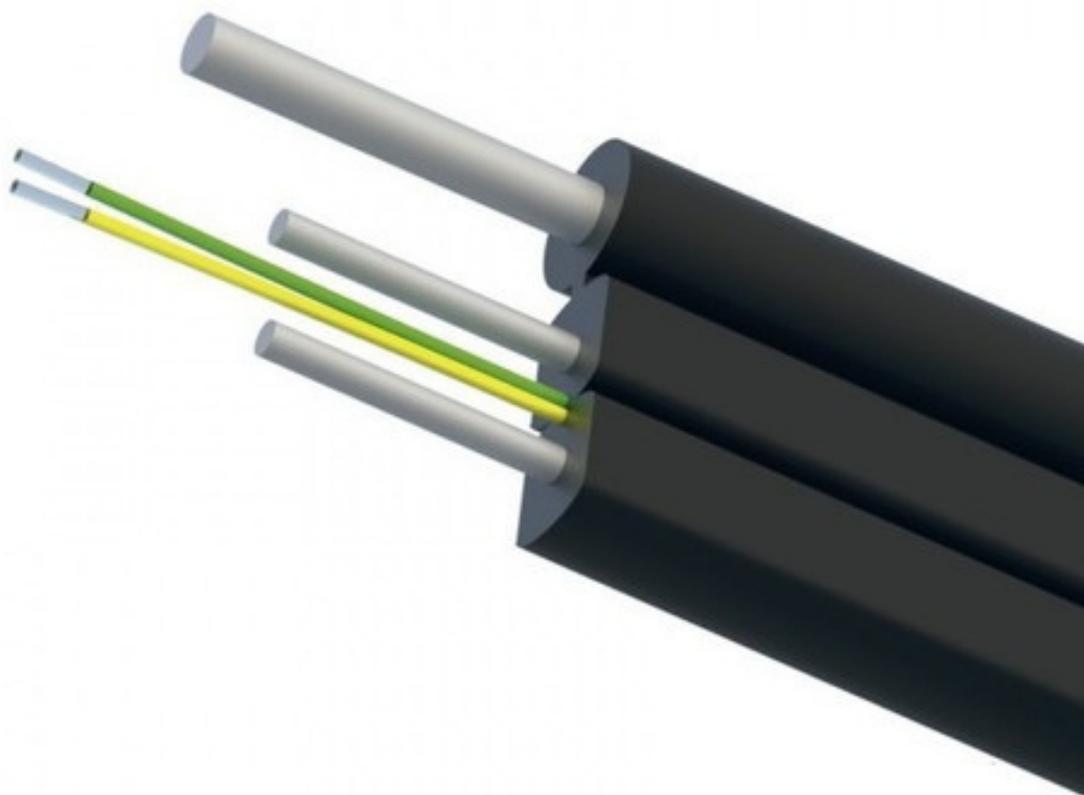




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Fiber optic cable

FTTH DROP CABLE



SPECIFICATIONS

Number of fibers: 1 monomodo 9 μ m/125 μ m

Fiber category: G. 657A2

Fiber colour: Natural

Color del cable: Black

Cable dimensions: 5.2 (\pm 0.2)mm * 2.0 (\pm 0.2)mm

Technical information

Weight: 19.5 kg/km

Cover: LSZH

Tensile stress: 600 N

Impact resistance/weight: 2200N/100mm

Operating temperature: -20 $^{\circ}$ C \approx +60 $^{\circ}$ C

Radius of curvature installation: 25mm

Accessories

➤ SPLITTERS

1X8 / 1X16

Low requirements of placing position and environment, compact micro type design. It is especially suitable for tiny room installation and can be easily placed into different types of terminal boxes and distribution boxes, in favor of splicing and stay in tray without additional space reservation. It can be easily applied in FTTh construction, optical network construction, CATV networks and etc.



Specification

1xN(N>2)PLCS(With connector)		Optical parameters					
		1x2	1x4	1x8	1x16	1x32	1x64
Parameters		1x2	1x4	1x8	1x16	1x32	1x64
Operation wavelength(nm)		1260~1650					
Insertion Loss(dB) Max		4.1	7.4	10.5	13.8	17.1	21.0
Uniformity(dB) Max		0.6	0.7	0.8	1.2	1.5	2.0
Return Loss(dB) APC Min		55	55	55	55	55	55
UPC Min		50	50	50	50	50	50
PDL(dB) Max		0.2	0.2	0.3	0.3	0.3	0.3
Directivity(dB) Min		55	55	55	55	55	55
Pigtail length(m)		1.2(±0.1) or customer specified					
Fiber type		G.657A					
Operation temperature(°C)		-40~85					
Storage temperature(°C)		-40~85					
Dimension(L×W×H) (mm)		60x7x4	60x7x4	60x7x4	60x12x4	80x20x6	100x40x6
2xN(N>2)PLCS(With connector)		Optical parameters					
		2x4	2x8	2x16	2x32	2x64	
Parameters		2x4	2x8	2x16	2x32	2x64	
Operation wavelength(nm)		1260~1650					
Insertion Loss(dB) Max		7.7	10.8	14.1	17.4	21.4	
Uniformity(dB) Max		0.6	0.8	1.0	1.5	2.0	
Return Loss(dB) APC Min		55	55	55	55	55	
UPC Min		50	50	50	50	50	
PDL(dB) Max		0.2	0.3	0.4	0.4	0.4	
Directivity(dB) Min		55	55	55	55	55	
Pigtail length(m)		1.2(±0.1) or customer specified					
Fiber type		G.657A					
Operation temperature(°C)		-40~85					
Storage temperature(°C)		-40~85					
Dimension(L×W×H) (mm)		60x7x4	60x7x4	80x12x4	80x20x6	100x40x6	

➤ PATCHCORD

SC/APC- SC/APC 1M
 SC/APC- SC/APC 2M
 SC/APC- SC/UPC 1M
 SC/APC- SC/UPC 2M

Pigtail and patch- cord are connected single fiber cable or duplex fiber cable. Varies connectors such as FC, SC, ST, LC, MU, E2000, DIN are available. Strict manufacturing process ensure reliable quality of the pre connectorized optical cable. All connectors are with good environmental and mechanical performance.



Specification

FTTX	Cable	Parameter
	Connector Type	SC FC ST LC MU E2000 DIN MPO
	Polishing Type	UPC or APC
	Fiber Tybe	SM or MM(50/125um or 65.5/125um)
	Cable Tybe	Simplex or Duplex
	Cable Jacket	LSZH or PVC
	Cable Diameter	0.9mm, 1.4mm, 1.6mm, 2.0mm, 3.0mm
	Strengthen Member	Kevlar
	Fiber Insertion Loss(dB)	< 0. 2
	Connector Insertion Loss(dB)	< 0. 3
	Connector Return Loss(dB)	UPC (> 55dB) ,APC (> 60dB)
	Repeatability(500 times)(dB)	< 0. 2
	Bending Radius(mm)	> 30
	Tensile Strength(kg/100mm)	> 12
	Working Temperature	-40 ~ +80°C
	Working Humidity	< 90% RH

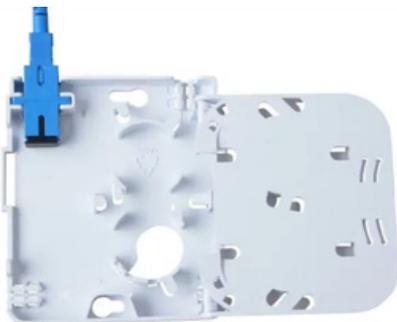
➤ FIBER ROSETTE

Optical rosettes Fiber Rosette FRB-1B with adaptor SC/APC

FRB-1B fiber rosette box is able to hold up to 1 subscribers. It is used as a termination point for the drop cable to connect with patch cable in FTTH indoor application. It integrates fiber termination, storage and cable connection in one solid protection box.

SPECIFICATIONS

Item	Parameters
Scope of application	3. 0x 2. 0mm drop cable or indoor cable
Fiber cladding diameter	125um (G652& G657)
Fiber diameter	250um& 900um
Fiber type	SM&MM
Tensile strength	> 50 N
Operating temperature	-40 ~ +85 C
Connecting Adapter	SC & LC
Insertion loss	<0.2dB
Return loss	>50dB(UPC), >60dB(APC)



Optical rosettes Fiber Rosette FRB-1A

FRB-1A fiber rosette box is able to hold up to 1 subscribers. It is used as a termination point for the drop cable to connect with patch cable in FTTH indoor application. It integrates fiber termination, storage and cable connection in one solid protection box.

SPECIFICATIONS

Item	Parameters
Scope of application	3. 0x 2. 0mm drop cable or indoor cable
Fiber cladding diameter	125um (G652& G657)
Fiber diameter	250um& 900um
Fiber type	SM& MM
Tensile strength	> 50 N
Operating temperature	-40 ~ +85 C
Connecting Adapter	SC & LC
Insertion loss	<0.2dB
Return loss	>50dB(UPC), >60dB(APC)

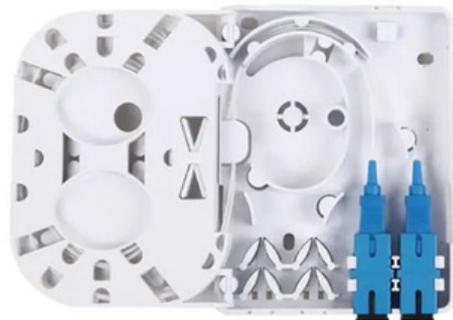


Optical rosettes Fiber Rosette FRB-2B with 2 adaptors SC/APC

FRB-2B fiber rosette box is able to hold up to 2 subscribers. It is used as a termination point for the drop cable to connect with patch cable in FTTH indoor application. It integrates fiber termination, storage and cable connection in one solid protection box.

SPECIFICATIONS

Item	Parameters
Scope of application	3.0x2.0mm drop cable or indoor cable
Fiber cladding diameter	125um (G652&G657)
Fiber diameter	250um& 900um
Fiber type	SM&MM
Tensile strength	> 50 N
Operating temperature	-40 ~ +85 C
Connecting Adapter	SC & LC
Insertion loss	<0.2dB
Return loss	>50dB(UPC), >60dB(APC)





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➤ FIBER ACCESS TERMINAL

Optical Cable Distribution Box
Outdoor Waterproof Box

Characteristic

Waterproof
Anticorrosive
Safe

Material

PC Alloy

Application

Optical fiber brunch



SIZE

32 x 62 x 9 cm

WEIGHT

0.71 KG



Fiber Access Terminal FATM-0416L with 1x16 splitter

FATM-0416L fiber access termination box is able to hold up to 16 subscribers. It is used as a termination point for the feeder cable to connect with drop cable in FTTx network system. It integrates fiber splicing, splitting, distribution, storage and cable connection in one solid protection box

Water-proof design with IP-65 Protection level

180 degree access with 2pcs of buckled lock structure

Maximum 16F splice capacity, LGX patch panel for 18 x adapters

Easy for maintainance and expansion

Fiber bend radius control more than 40mm

Designed position for 2pcs of 1x8 or 1pcs of 1x16 LGX PLC Splitter

1 mid-span cable entrance(10-16.5mm) for uncut cable and 2 reserved cable entrances for distribution cable gland(8-13.5mm)



NAP Box Cajas Terminales Opticas 16 cores FAT-16B with 16 adaptors SC/APC

FAT-16B fiber access termination box is able to hold up to 16 subscribers. It is used as a termination point for the feeder cable to connect with drop cable in FTTx network system. It integrates fiber splicing, splitting, distribution, storage and cable connection in one solid protection box.

Water-proof design with IP-65 Protection level

Integrated with splice cassette and cable management rods

Manage fibers in a reasonable fiber radius condition

Easy to maintain and extend the capacity

Fiber bend radius control more than 40mm

Suitable for the fusion splice or mechanical splice

1*16 Splitter can be installed as an option

Efficient cable management

16 ports cable entrance for drop cable.



FAT-8J-02 Fiber Access Terminal -8 Cores

FAT-8J-02 fiber access termination box is able to hold up to 8 subscribers. It is used as a termination point for the feeder cable to connect with drop cable in FTTx network system. It integrates fiber splicing, splitting, distribution, storage and cable connection in one solid protection box.

Configuration

Material	Size	Max Capacity		Nos of Adapter	Weight	Color
ABS+PC (UV Resistant)	A*B*C(mm) 245*203*69	Splice 12 Fibers (1 tray x 12F)	PLC Splitter 1pcs of 1:8(SC)	24 pcs SC/UPC or SC/APC	0.7kg	White



FAT-16M Fiber Access Terminal with 16 adaptors



Caja de Distribucion Box with Reinforced Adapter FATD-0010R

FATD-0010R fiber access termination box is able to hold up to 8 subscribers. It is used as a termination point for 1 x ISP cable to connect with 1 x OSP cable and 8 x drop cable in FTTx network system. It integrates fiber splicing, splitting, storage and cable management in one solid protection box.

The box casing is made of industrial plastic PC+ABS material.

Plug-and-play installation, easy for maintenance and expansion.

10 x reinforced adapters for drop cable with reinforced connectors.

Impact grade: IK10.

Compact design integrates distribution, splicing, splitting 3-in-1 .

Designated position for the placement of 1:2 and 1:8 PLC splitter.

Protection grade: IP67

2 layers splitting design, 1pcs of 1:2 PLC splitter output to be pre-spliced with 1pcs of 1:8 PLC splitter input.



Fiber Access Terminal Cajas Terminales Opticas FATD-0208B with 8 adaptors

FATD-0208B fiber optic splice closure is able to hold up to 8 subscribers and 12 splicing points as closure. It is specially designed to protect joints of optic cable. Excessive fibers can be stored in storage baskets behind the splice trays.

Protection level: IP65, base and cover sealed with buckled lock and O-ring system, cable entry ports sealed with rubber.

Support 12 fiber splices, minimum fiber bending radius: 35mm.

8 x build-in adapters for drop cable with fast connectors.

Designated position for the placement of 1pcs of 1:8 splitters.

Support wall/pole mounted installation.

Plug-and-play installation, easy for maintenance and expansion.

2-holes mid span cable entrances(10-16.5mm).



Fiber Access Terminal FATC-001 with 16 adaptors



Fiber Optic Box Optical Terminal Boxes FATD-0408B with 8 adaptors

FATD-0408B fiber optic splice closure is able to hold up to 8 subscribers and 36 splicing points as closure. It is specially designed to protect joints of optic cable. Excessive fibers can be stored in storage baskets behind the splice trays.

Protection level: IP65, base and cover sealed with buckled lock and O-ring system, cable entry ports sealed with rubber.

Support 36 fiber splices, minimum fiber bending radius: 35mm.

8 x build-in adapters for drop cable with fast connectors.

Designated position for the placement of 2pcs of 1:8 splitters.

Support wall/pole mounted and aerial hanging installation.

Plug-and-play installation, easy for maintenance and expansion.

4 cable entrances, 2 entrances at left and 2 entrance at right for the feeder cable and distribution cable(<11mm).



➤ DOME FIBER CLOSURES

Fiber Optic Splice Closure Dome Type 96 Cores GJS-D001

Fiber optic closure is a passive component which can provide a great protection for fiber splicing point. Aerially assembling, pipeline assembling and buried underground are all available. The DOME type closure is also called Vertical closure. The input and output ports are at the bottom of the closure. DOME closure is more suitable for the application on accessing layer.



Specification

Model	GJS-D001
Type	DOME type(Vertical type)
Dimension(HxD)	440mm×Φ190mm
Number of splice trays	1~4 pieces
Number of inlet/outlet ports	4 pieces
Diameter of fiber cable	Φ5mm~Φ25mm
Max Capacity(cores)	Bunchy:96F, Ribbon:144F

Mini Fiber Optic Splice Closure 48Cores Dome Type GJS-D015

Fiber optic closure is a passive component which can provide a great protection for fiber splicing point. Aerially assembling, pipeline assembling and buried underground are all available. The DOME type closure is also called Vertical closure. The input and output ports are at the bottom of the closure. DOME closure is more suitable for the application on accessing layer.



Model	GJS-D015
Type	DOME type(Vertical type)
Dimension(WxDxH)	310mm×Φ190mm
Number of splice trays	1~4 pieces
Number of inlet/outlet ports	4 pieces
Diameter of fiber cable	Φ8mm~Φ25mm
Max Capacity(cores)	Bunchy:48F, Ribbon:72F



DOME Fiber Optic Splice Closure 144 cores GJS-D022

Fiber optic closure is a passive component which can provide a great protection for fiber splicing point. Aerially assembling, pipeline assembling and buried underground are all available. The DOME type closure is also called Vertical closure. The input and output ports are at the bottom of the closure. DOME closure is more suitable for the application on accessing layer.

Model	GJS-D022
Type	DOME type(Vertical type)
Dimension(WxDxH)	470mm×Φ210mm
Number of splice trays	1~6 pieces
Number of inlet/outlet ports	5 pieces
Diameter of fiber cable	Φ5mm~Φ38mm
Max Capacity(cores)	Bunchy:144F, Ribbon:432F



➤ CONNECTORS

SC/APC TIPO 1 SC/APC TIPO 2

With the rasing of FTTH construction around the world, field assembly optical connector FAOC is a most common solution used to terminate optical fiber especially for FTTh drop cable. Filed assembly optical connector FAOC technology enable site engineers to build a connector upon the existing optical cable within just a few minutes, it enhances the working efficiency dramatically, and FAOC is reusable for 10 time so it is also the most saving solution for telecom operators. Filed assembly

Specification

Field	Assembly	Fiber	Connector
Connection type			Preset fiber with matching fluid
Connector type			SC or LC
Polishing type			UPC or APC
Cable fixing type			Screw type
Suitable fiber type			SM 9/ 125um and MM
Applicable cable			250-900um, 2.0mm, 2.0x3, 1mm, 3.0mm
Fiber coating diameter			250um
Insertion loss (dB)			< 0.5 (including adaptor)
Return loss (dB)			UPC: > 40dB, APC: > 45dB
Impact test			< 0.2dB, 1.5m, 10 repetition
Durability test			< 0.2dB, 200 x assembly/ disassembly
Vibrate test			< 0.2dB, 3x2hr/ axis, 1, 5mm, 10-55Hz
Thermal cycle test			< 0.2dB, -40°C~+75°C, 21 cycles for 168 hrs
Humidity test			< 0.2dB, 90 to 95%, Temp 75°C for 168 hrs
Tensile force (N)			> 10N
Working temperature (°C)			-40°C~85°C
Working Humidity			< 90%RH
Connector Length			6.1cm
Weight			0.004kg
Packing method			Individual plastic bag/ pcs, big plastic bag/ 10pcs, paper carton/ 100pcs, big paper carton/ 1000pcs



➤ FIBER ADAPTORS SC/APC

Fiber adaptor is one kind of fiber flanges to be used for the interconnection between two fiber connectors. UPC and APC polishing are available to be selected. For interconnecting fiber connectors, there are two kinds of fiber adaptors, mating sleeve and hybrid adaptor. Mating sleeve adaptor is used in interconnecting of two same connectors so that it is widely applied in optical fiber management system, optical testing project, ODN, FTTh , Metro, CATV.

Specification

Connector Type	FC SC LC ST DIN E2000 MU MTRJ
Polishing Mode	UPC or APC
Insertion Loss	< 0. 2dB
Interchangeability	< 0. 2dB
Durability	> 1000 times
Repeatability	< 0. 1dB
Working Temp	-40 ~ +80℃
Working Humidity	< 90% RH



Description

**Mating sleeve adaptor,
SC & SC APC,
simplex, rectangle shape,
zirconia internal tube,
plastic material**



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