FD711G-FA10

1GE+CATV XPON ONU
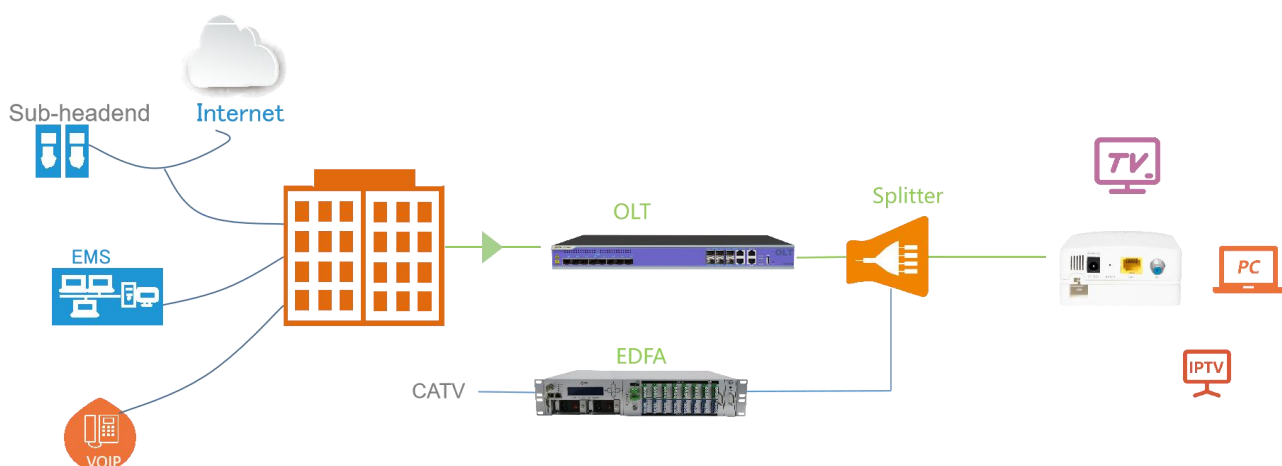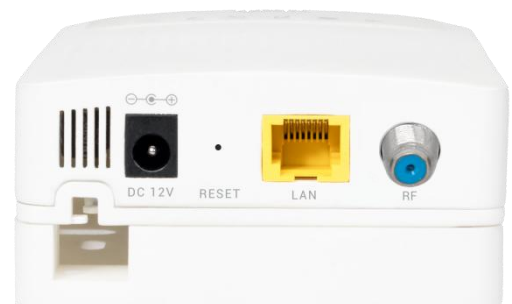
High Speed CPU

Low Power Consumption

Software Customization

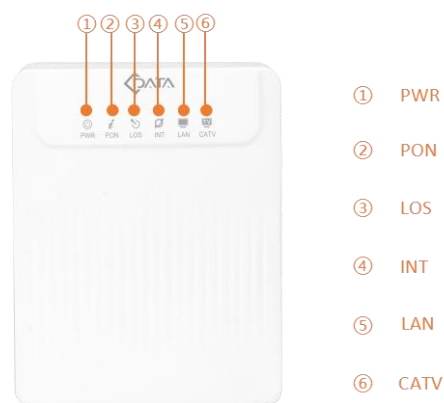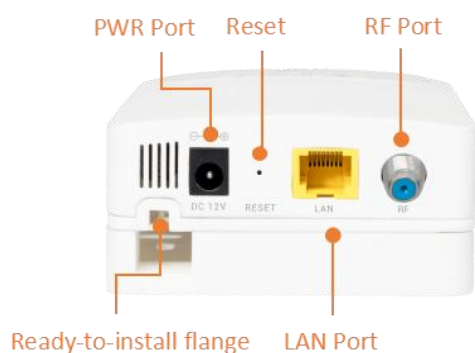**Optional Shell Supply**

Brief Views

FD711G-FA10 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16 series GPON OLT or FD11 / 12 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet and CATV services based on GPON and EPON technology.

Functional Feature

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support MAC address learning
- Support MAC address learning account limit
- Support VLAN transparent/tag/translate/trunk

- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- EMS network management based on SNMP ,convenient for maintenance
- Support power-off alarm function ,easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support remote WEB/Telnet access control
- Support remote CATV port management

Product Interface and LED

PWR Port   Reset   RF Port

DC 12V   RESET   LAN   RF

Ready-to-install flange   LAN Port

① ② ③ ④ ⑤ ⑥

PWR PON LOS INT LAN CATV

① PWR
② PON
③ LOS
④ INT
⑤ LAN
⑥ CATV

PON Port

LED Definitions

Indicator		Description
PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;
PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off:Failed to register to OLT or no normal optical signal input;
LOS	PON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal;
LAN	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
CATV	CATV status	On: CATV optical normal Off:The CATV signals are not received

Product Specification

Mechanics

Dimensions	110mm(L)*86mm(W)*30.5mm (H)
Weight	About 0.13kg

Hardware

User Port (LAN)		RJ-45 connector
		1*10/100/1000Mbps adaptive Ethernet port
		Full/half duplex
		Auto MDI/MDI-X
Indicators		PWR / PON / LOS / LAN / INT / CATV
PON Port	PON Mode	EPON：1000BASE-PX20+ symmetric GPON：FSAN G.984.2 standard,Class B+
	PON Rate	EPON：1.25Gbps downstream/upstream GPON：2.488Gbps/1.244Gbps downstream/upstream
	Wavelength	Transmit: 1310nm Receiver: 1490nm
	Receiving sensitivity	EPON：-27dBm GPON：-28dBm
	Saturated power	EPON：-3dBm GPON：-8dBm
	Transmitting power	EPON:0～4dBm GPON：0.5～5dBm

CATV （Input /Output port）

Wavelength: 1550nm	
Input optical power: -18dBm～0dBm(with AGC)	
RF frequency: 47MHz~1000MHz	
RF output level: 78dBuV (@-12~-2dBm@85MHz) (with AGC)	
RF output return loss: >12dB(with AGC)	
RF impedance: 75 Ω	

Environment

Working temperature	0 to 40° C
Operating humidity	10% ~ 90% (Non-condensing)

Power

External 12VDC/0.5A power supply adapter	
Power consumption	≤3.3W