

FD712GD-R850

2GE+CATV+2WIFI XPON ONU



High Speed CPU



Low Power Consumption



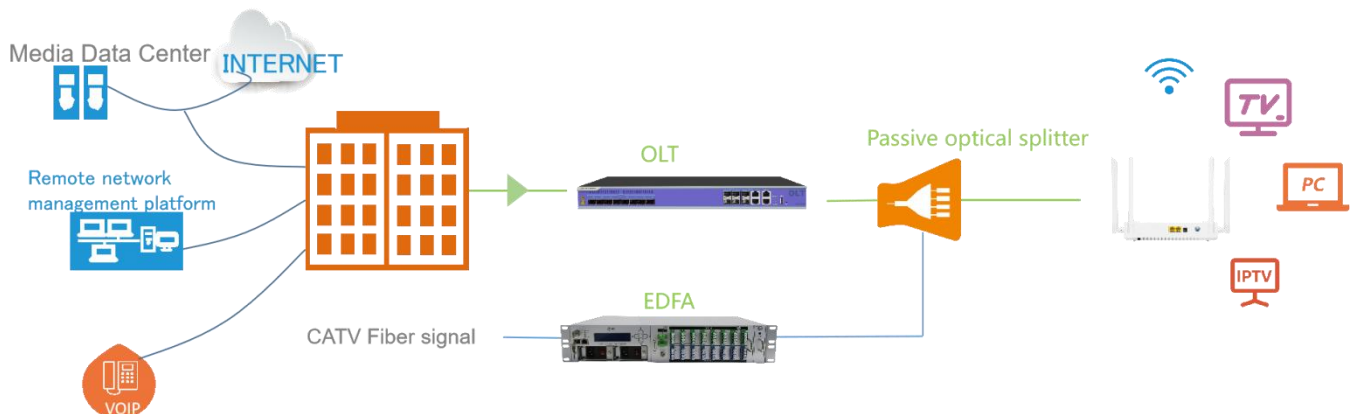
Software Customization



Optional Shell Supply

Brief Views

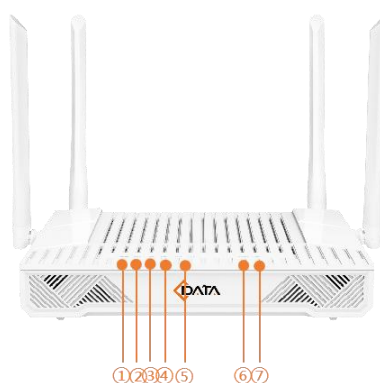
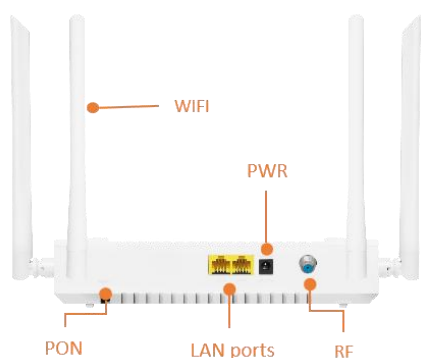
FD712GD-R850 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16/17 series GPON OLT or FD12 / 13 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet, WIFI 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



- ① PWR
- ② PON
- ③ LOS
- ④ INT
- ⑤ LAN1-2
- ⑥ CATV
- ⑦ WIFI

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.
WIFI	WIFI	Blinking :Data is being transmitted On:WIFI function Opens
CATV	CATV status	On: CATV optical normal Off:The CATV signals are not received

Product Specification

Mechanics

Dimensions	210mm(L)*135mm(W)*45mm(H)
Weight	About 300g

Hardware

User Port (LAN)	RJ-45 connector		
	2 *10/100/1000Mbps adaptive Ethernet port		
	Full/half duplex		
	Auto MDI/MDI-X		
Indicators	PWR / PON / LOS / LAN / INT / CATV / WIFI		
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

WIFI performance parameter	
IEEE802.11b/g/n(2.4G)	
IEEE802.11a/n/ac(5G)	
Max rate:	300M(2.4G)
Max rate:	867Mbps(5G)
MAX TX power 2.4G:	17dBm
MAX TX power 5G:	17dBm

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

Power	
External 12VDC/1A power supply adapter	
Power consumption	10.3W

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