

# FD814GD-R760

## 4GE+1POTS+2WIFI+CATV XPON ONU



High Speed CPU



Low Power Consumption



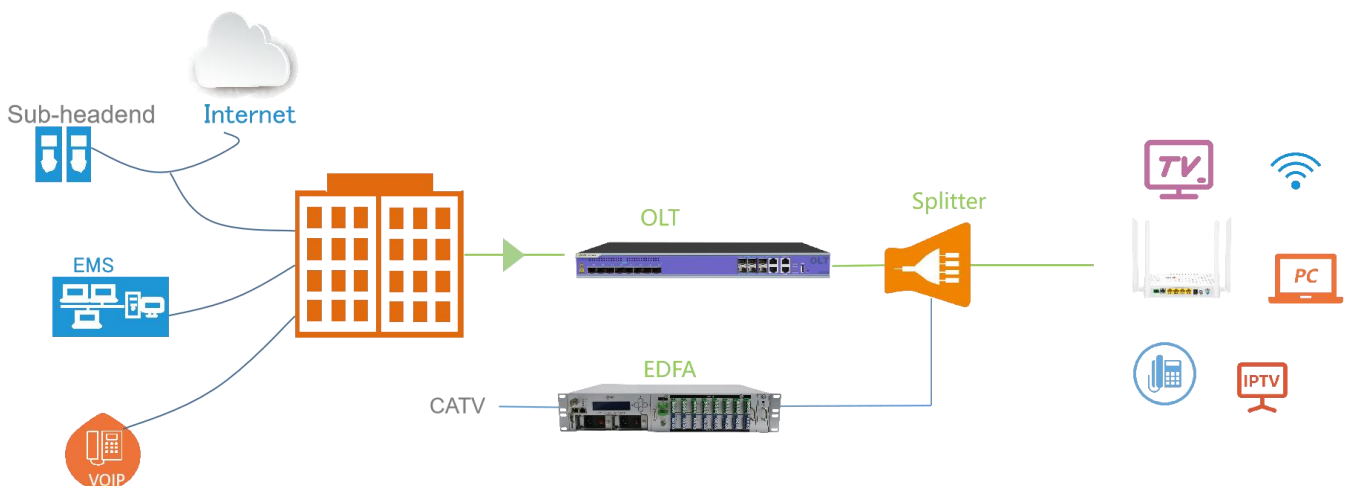
Software Customization



Optional Shell Supply

### Brief Views

FD814GD-R760 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, WIFI, VOIP 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 remote CATV port management
- 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
- Single-fiber access provides internet, VOIP,CATV,WIFI, multiple service

## Product Interface and LED



## 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;
LAN1-4	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.
TEL	Telephone port status	On:The connection between the TEL port and the voice server has been set up Blinking:The voice service of the TEL port is established; Off:The connection between the TEL port and the voice server is not set up.
CATV	CATV status	On: CATV optical normal Off:The CATV signals are not received
WIFI	WIFI	Blinking :Data is being transmitted On:WIFI function Opens

## Product Specification

### Mechanics

Dimensions	234*157.5*32mm
Weight	About 300g

### Hardware

User Port (LAN)		RJ-45 connector
		4 *10/100/1000Mbps adaptive Ethernet port
		Full/half duplex
		Auto MDI/MDI-X
Indicators		PWR / PON / LOS / LAN1-4 / INT / TEL / 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

### User Port(POTS)

RJ-11 connector

1\*accounts

SIP protocol

TDMF

G711U/G711A/G729/G722 encoding and decoding

### WIFI

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/1.5A power supply adapter

Power consumption ≤11.7W

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