FD504GW-X-R461

4GE+WIFI XPON ONU

High Speed CPU

Low Power Consumption

Software Customization
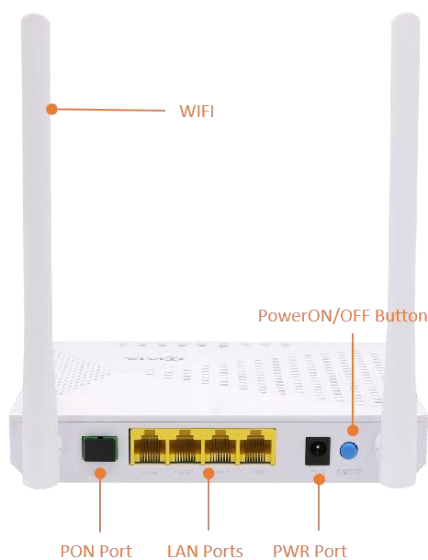
Optional Shell Supply

Brief Views

FD504GW-X-R461 have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T and IEEE technical standards and have good compatibility with third party OLT.

FD504GW-X-R461 integrates wireless function which meets 802.11 b/g/n technical standards. The 2.4GHz transmission rate up to 300Mbps.It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

Functional Feature

- ➢ In compliant with IEEE802.3ah and ITU - T G.984 standard
- ➢ Support ONU auto-discovery/Link detection/remote upgrade of software
- ➢ Support multiple registration methods
- ➢ Support port VLAN configuration
- ➢ Support mac-address learning
- ➢ Support port-based rate limitation and bandwidth control
- ➢ Support broadcasting storm resistance function

- ➢ Support DHCP/Static/PPPOE internet mode
- ➢ Support port-binding
- ➢ Support remote management configuration
- ➢ 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

Product Interface and LED

WIFI

PowerON/OFF Button

PON Port   LAN Ports   PWR Port

PON   INT

PWR   LOS   LAN1-4   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;
WIFI	WIFI	Blinking:Data is being transmitted On:WIFI function Opens
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.

Hardware

● **GPON/EPON Port**
➢ Single mode single fiber
➢ GPON：FSAN G.984.2 standard,Class B+
➢ EPON：1000BASE-PX20+ symmetric
➢ GPON：2.488Gbps/1.244Gbps downstream/upstream
➢ EPON：1.25Gbps downstream/upstream
➢ Wavelength :
　Transmit: 1310nm 　　Receiver: 1490nm
➢ Receiving sensitivity :
　GPON：-28dBm 　　　EPON：-27dBm
➢ Saturated power :
　GPON：-8dBm 　　　EPON：-3dBm
➢ Transmitting power :
　GPON：0.5～5dBm　EPON:0～4dBm

● **Dimension and Weight**
➢ Item Dimension：
➢ 160mm(L) x 139.5mm(W) x 28.5mm (H)
➢ Item weight：0.228kg

● **Environmental Specifications**
➢ Operating temperature: 0 to 40° C
➢ Storage temperature: -40 to 85° C
➢ Operating humidity: 10% to 90%(Non-condensing)

● **User Port(LAN)**
➢ RJ-45 connector
➢ 4*10/100/1000 Mbps adaptive Ethernet port
➢ Full/half duplex
➢ Auto MDI/MDI-X

● **WIFI performance parameters**
➢ IEEE802.11b/g/n(2.4G)
➢ Max rate: 300M(2.4G)
➢ MAX TX power 2.4G:17dBm

● **Indicators**
➢ PWR / PON / LOS / LAN / INT / WIFI

● **Power**
➢ External 12VDC/1A power supply adapter
➢ Power consumption: <6W

● **Wireless**
➢ 2.4G: 4*SSID
➢ 2*2 MIMO
➢ Choose channel automatically

Software

- **Management**
  - ➢ EPON :OAM / WEB / TR069 / Telnet
  - ➢ GPON:OMCI / WEB / TR069 / Telnet
- **Switch**
  - ➢ MAC address learning
  - ➢ MAC address learning account limit
  - ➢ Broadcast storm suppression
  - ➢ VLAN transparent/tag/translate/trunk
- **L3**
  - ➢ IPv4/IPv6 Dual Stack
  - ➢ NAT
  - ➢ DHCP client/server
  - ➢ PPPOE client/ Pass through
  - ➢ Static and dynamic routing

- **Multicast**
  - ➢ IGMP V2
  - ➢ IGMP VLAN
- **Security**
  - ➢ Firewall
  - ➢ MAC address/URL filter
  - ➢ Remote WEB/Telnet access control
- **Register**
  - ➢ Auto-discovery/Link detection/Remote upgrade software
  - ➢ Auto/MAC/SN/LOID+Password authentication

Application

- ➢ Typical Solution：FTTH
- ➢ Typical Business：Internet,WIFI