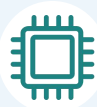


*GPON ONU**1GE+3FE+WIFI****FD504XW-G-R460***

High Speed CPU



Low Power Consumption



Optional Shell Supply



Software Customization

Brief Views

FD504XW-G-R460 data type ONU is one of the GPON optical network unit design to meet the requirement of the broadband access network. It apply in FTTH/FTTO to provide the data, video service based on the GPON network.

FD504XW-G-R460 have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the ITU-T technical standards and have good compatibility with third party OLT.

FD504XW-G-R460 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 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
- Meet 802.11 b/g/n WIFI technical standard
- 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



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	GPON 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
WPS	WPS	Blinking: In the connected state, waiting for the device to access; Off: In the not onnected state;

Hardware

● GPON Port

- Single mode single fiber
- GPON: FSAN G.984.2 standard, Class B+
- GPON: 2.488Gbps/1.244Gbps downstream/upstream
- Wavelength :
Transmit: 1310nm Receiver: 1490nm
- Receiving sensitivity :
GPON: -28dBm
- Saturated power :
GPON: -8dBm
- Transmitting power :
GPON: 0.5~5dBm

● User Port(LAN)

- RJ-45 connector
- 1*10/100/1000 and 3*10/100 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)
- Antenna gain: 5dBi
- Max TX power: 2.4G: 17dBm

- **Indicators**

- PWR / PON / LOS / LAN/WPS/WIFI

- **Power**

- External 12VDC/0.6A power supply adapter
- Power consumption: <6W

- **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)

- **Wireless**

- 2.4G: 4*SSID
- 2*2 MIMO
- SSID broadcast/ hide
- Choose channel automatically
- WPS one-click connection

Software

- **Management**

- GPON:OMCI / WEB / TR069 / Telnet

- **Register**

- Auto-discovery/Link detection/Remote upgrade software
- Auto/MAC/SN/LOID+Password authentication

- **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

Application

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

