

# FD504XW-X-R466

## 1GE+3FE+WIFI XPON ONU



High Speed CPU



Low Power Consumption



Software Customization



Optional Shell Supply



### Brief Views

FD504XW-X-R466 dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access.

FD504XW-X-R466 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.

FD504XW-X-R466 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
- 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	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
WPS	WPS	Blinking: In the connected state, waiting for the device to access; Off: In the not onnected state;

## Hardware

### ● GPON/EPON Port

- Single mode single fiber
- GPON: FSAN G.984.2 standard
- 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

### ● Indicators

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

### ● 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)
- MAX TX power 2.4G:17dBm

- **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)

## Software

- **Management**
  - EPON :OAM / WEB / TR069 / Telnet
  - 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
- **Wireless**
  - SSID broadcast/ hide
  - Choose channel automatically
  - WPS one-click connection
- **Multicast**
  - IGMP V2
  - IGMP VLAN
- **Security**
  - Firewall
  - MAC address/URL filter
  - Remote WEB/Telnet access control
- **L3**
  - IPv4/IPv6 Dual Stack
  - NAT
  - DHCP client/server
  - PPPOE client/ Pass through
  - Static and dynamic routing

## Application

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

