

FD502GW-DE-R411

2GE+2WIFI EPON ONU



High Speed CPU



Low Power Consumption



Software Customization



Optional Shell Supply



Brief Views

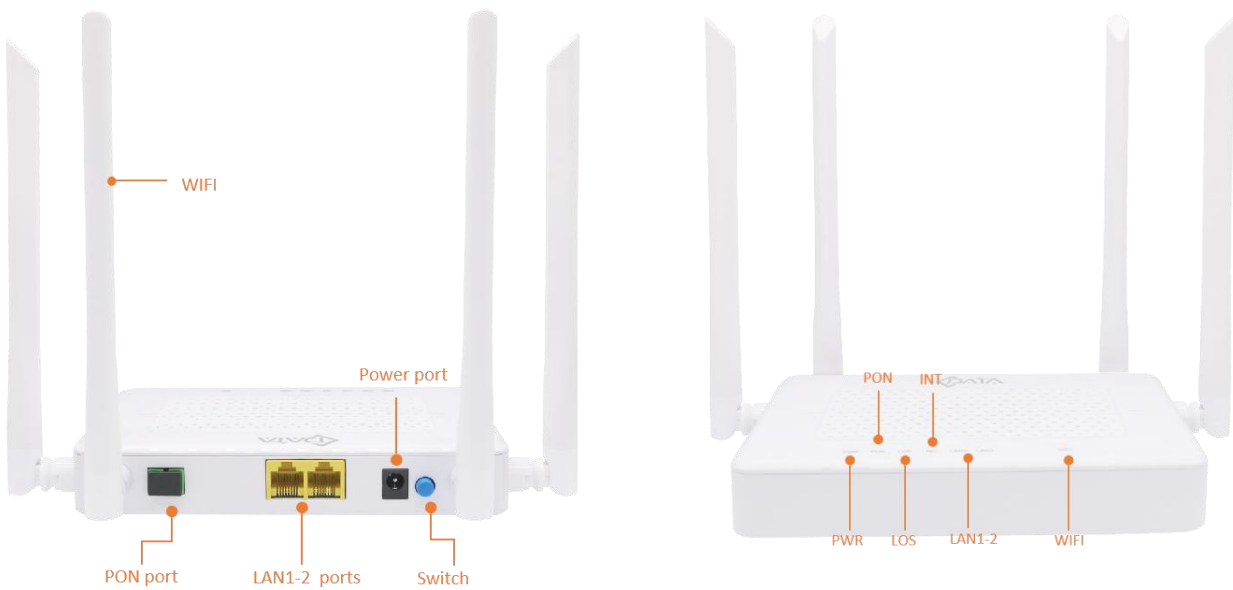
FD502GW-DE-R411 have a high reliability and provide quality of service guarantee, easy management, flexible expansion and networking. It fully meets the IEEE technical standards and have good compatibility with third party OLT.

FD502GW-DE-R411 integrates wireless function which meets 802.11 a/b/g/n/ac technical standards. At the same time, it also supports 2.4GHz/5GHz dual-band wireless signal. 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 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 multicast 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
- Meet 802.11 a/b/g/n/ac WIFI technical standard

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;
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
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

Hardware

● EPON Port

- SC/APC single mode single fiber
- EPON: 1000BASE-PX20+ symmetric
- EPON: 1.25Gbps downstream/upstream
- Wavelength :
Transmit: 1310nm Receiver: 1490nm
- Receiving sensitivity :
EPON: -30dBm
- Saturated power :
EPON: -3dBm
- Transmitting power :
EPON:1~4dBm

● Dimension and Weight

- Item Dimension:
160mm(L) x 139.5mm(W) x 28.5mm (H)
- Item weight: 0.23kg

● User Port(LAN)

- RJ-45 connector
- 2*10/100/1000 Mbps adaptive Ethernet port
- Full/half duplex
- Auto MDI/MDI-X

● WIFI performance parameters

- 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

● Indicators

- PWR / PON / LOS / LAN / INT / WIFI

● Power

- External 12VDC/1A power supply adapter
- Power consumption: <6W

● Environmental Specifications

- Operating temperature: 0 to 40° C
- Storage temperature: -40 to 85° C
- Operating humidity: 10% to 90%(Non-condensing)

Software

- **Management**
 - OAM / 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
- **Wireless**
 - Choose channel automatically

Application

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

