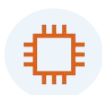


# FD604GW-DX-R710

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



High Speed CPU



Low Power Consumption



Software Customization



Optional Shell Supply



## Brief Views

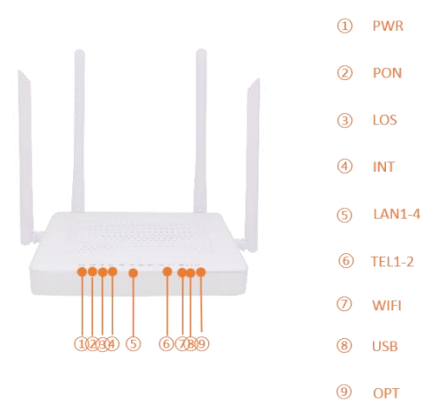
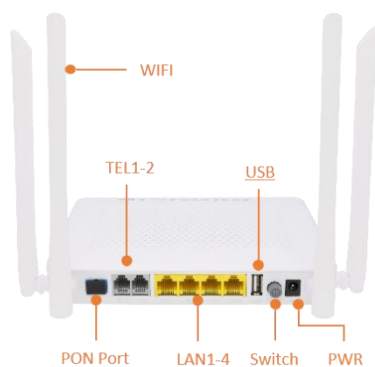
FD604GW-DX-R710 features high-performance forwarding capabilities to ensure excellent experience with VoIP and Internet. It fully meets the ITU-T technical standards and have good compatibility with third party OLT. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

FD604GW-DX-R710 integrate 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

- Single-fiber access, provides internet, WIFI, VOIP multiple service.
- In compliant with ITU - T G. 984 and IEEE802.3ah standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support power-off alarm function ,easy for link problem detection
- Specialized design for system breakdown prevention to maintain stable system
- EMS network management based on SNMP ,convenient for maintenance

## 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;
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.
OPT	Light intensity indicator	On: Higher than ONU RX maximum threshold; Flashing: Lower than ONU RX minimum threshold; Off: ONU RX is within the normal threshold range.
USB	USB port status	On: USB connection is normal; Off: USB connection is not set up;
WIFI	WIFI	Blinking: Data is being transmitted On: WIFI function Opens

## 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

### ● User Port(LAN)

- RJ-45 connector
- 4\*10/100/1000Mbps 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



- **User Port(POTS)**

- RJ-11 connector
- 2\*accounts
- SIP protocol
- TDMF
- G711U/G711A/G729/G722 encoding and decoding

- **Power**

- External 12VDC/1.5A power supply adapter
- Power consumption: <13W

- **Indicators**

- PWR / PON / LOS / LAN / WIFI / USB / INT/ OPT / TEL

- **Dimension and Weight**

- Item Dimension:
- 180mm(L) x 155mm(W) x 30mm (H)
- Item weight: 0.317kg

- **Environmental Specifications**

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

## Software

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- **Management**

- EPON :OAM / WEB / TR069 / Telnet
- GPON:OMCI / WEB / TR069 / Telnet

- **L3**

- IPv4/IPv6 Dual Stack
- NAT
- DHCP client/server
- PPPOE client/ Pass through
- Static and dynamic routing

- **Switch**

- MAC address learning
- MAC address learning account limit
- Broadcast storm suppression
- VLAN transparent/tag/translate/trunk

- **Multicast**

- IGMP V2
- IGMP VLAN
- IGMP transparent/Snooping/Proxy

- **Wireless**

- Choose channel automatically

- **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, VOIP, Wi-Fi

