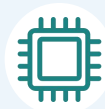*Triple Play Dual-Mode ONU*

4GE+CATV+2WIFI+2POTS

FD804GW-DAX-Z710

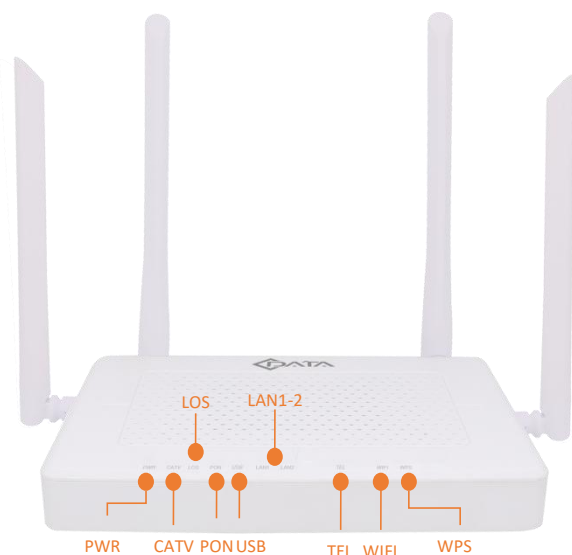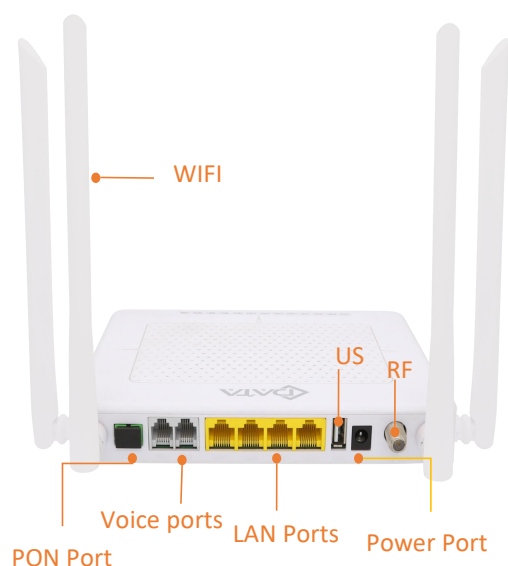| High Speed CPU | Low Power Consumption | Optional Shell Supply | Software Customization |

Brief Views

FD804GW-DAX-Z710 is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16 series GPON OLT or FD11 / 12 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet, VOIP and CATV services based on GPON and EPON technology. The device performance and functions also meet IEEE802.3ah and ITU-T G984.X technical specifications.

FD804GW-DAX-Z710 integrates wireless function which meets 802.11 b/g/n/ac technical standards. It has four external high gain omnidirectional antennas and wireless transmission rate up to 867 Mbps. 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, VOICE,CATV, WIFI multiple service
- In compliant with ITU - T G. 984 and IEEE802.3ah standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Wi-Fi series meet 802.11 b/g/n/ac technical standards
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding

- Support OAM/OMCI remote management
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support H.248 and SIP protocol
- Support remote CATV port management
- Support power-off alarm function ,easy for link problem detection
- Specialized design for system breakdown prevention to maintain stable system

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	XPON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal;
LAN1-4	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
CATV	CATV status	On：CATV optical normal Off：The CATV signals are not received
TEL1-2	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.
WPS	WPS	Blinking: In the connected state, waiting for the device to access; Off: In the not onnected state;
USB	USB port status	On: USB connection is normal; Off: USB connection is not set up;

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)**
  - 4*10/100/1000 M Auto-negotiation RJ45 ports
  - Full Duplex / Half-Duplex
  - RJ45, Auto-MDI/MDI-X
  - Transmission Distance 100 Meter
- **User Port(POTS)**
  - RJ-11 connector
  - 2*accounts
  - SIP and H.248 protocol
  - TDMF

- **WIFI performance parameters**
  - IEEE802.11b/g/n(2.4G)
  - IEEE802.11a/b/g/n/ac(5G)
  - Max rate: 300M(2.4G)
  - Max rate: 867Mbps(5G)
  - Antenna gain：5dBi
  - Max TX power: 2.4G：17dBm
  - Max TX power: 2.4G：20dBm 5G：20dBm
- **CATV（Input /Output port）**
  - Wavelength: 1550nm
  - Input optical power: -18dBm～0dBm(with AGC)
  - RF frequency: 47MHz~1000MHz
  - RF output level: 78dBuV (@-12~-2dBm@85MHz) (with AGC)
  - RF output return loss: >12dB(with AGC)
  - RF impedance: 75 Ω

- **Indicators**
  - PWR / PON / LOS / LAN1-4 / TEL1-2 / CATV / WIFI/WPS/USB
- **Power**
  - External 12VDC/1.5A power supply adapter Power
  - Power consumption: <15W
- **Dimension and Weight**
  - Item Dimension：
  - 240mm(L) x 240mm(W) x 24mm (H)
  - Item weight：about 335g
- **Environmental Specifications**
  - Operating temperature: 0 to 40° 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
- **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

- **Security**
  - Firewall
  - MAC address/URL filter
  - Remote WEB/Telnet access control
- **Wireless**
  - 2.4G: 4*SSID
  - 5G: 4*SSID
  - 2*2 MIMO
  - SSID broadcast/ hide
  - Choose channel automatically
  - WPS one-click connection

Application

➢ Typical Solution：FTTH
➢ Typical Business：Internet, Voice, IPTV, CATV, Wi-Fi