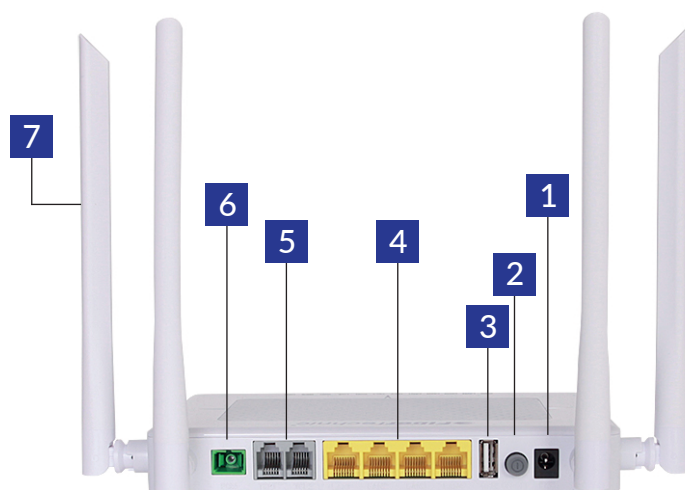# FIBERTECHNIC FTECH GW-04-DF GPON ONU
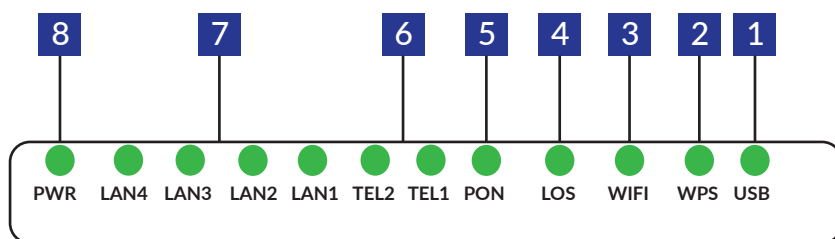## 4GE+2POTS+DUAL-BAND WIFI AC SC/APC

▶▶ Ftech GW-04-DF features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. It fully meets the ITU-T technical standards and has good compatibility with third party OLT. It provides perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

▶▶ Ftech GW-04-DF 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 is characterised by strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

▶▶ **Functional features:**
- Compatible with ITU - T G.984.1/2/3/4 and IEEE802.3ah standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Meet 802.11 a/b/g/n/ac WIFI technical standard
- Support VLAN transparent, tag, untag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support TR069 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 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

CE
Product ID: 7873

1	DC Power Port
2	Power on/off Button
3	USB Port
4	LAN Port
5	Voice Port
6	Optical Port
7	Antena

1	USB Port Status
2	WPS Function Status
3	WIFI Status
4	Optical Signals Status
5	ONU Register Status
6	Voice Port Status
7	LAN Port Status
8	Power Status

	INDICATOR		DESCRIPTION
1	USB	USB port status	On: USB connection is normal; Off: USB connection is not set up;
2	WPS	WPS status	Blinking: In connected state, waiting for the device to access; Off: In not connected state;
3	WIFI	WIFI	Blinking：Data is being transmitted On：WIFI function Opens
4	LOS	XPON optical signals	On: Optical power lower than receiver sensitivity ; Off: Optical in normal
5	PON	ONU Register	On: Success to register to OLT; Blinking: In process of registering to OLT;
6	TEL 1-2	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 being established; Off：The connection between the TEL port and the voice server is not set up.
7	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;
8	PWR	Power status	On: The ONU is power on; Off: The ONU is power off;

SPECIFICATION

ITEM		DESCRIPTION
Interface	GPON Interface	SC/APC 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
	POTS Interface	2*RJ11 Max 1km distance Balanced Ring, 50V RMS
	Ethernet Interface	4*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
	USB interface	1*USB 2.0 interface Transmission Rate: 480Mbps
	Power Interface	12V DC Power supply
Network Management	Management Mode	OMCI, OAM, TR069, WEB, Telnet
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Physical Features	Power	External 12VDC/1.5A power supply adapter Power consumption: <13W
	Dimension and Weight	Item Dimension：240mm(L) x 240mm(W) x 24mm (H) Item Net Weight：about 317g
	Environmental Specifications	Status monitor, Configuration management, Alarm management, Log management

▶▶ **WIFI Features:**
- Compatible with IEEE 802.11a/b/g/n/ac protocol standard, support 2.4GHz and 5GHz
- Four external antennas
- 5dBi antenna gain
- Maximum ideal rate up to 1.2Gbps
- 2.4GHz supports 2*2 MIMO (Multiple-Input Multiple-Output) technology
- 5GHz supports 2*2 MIMO (Multiple-Input Multiple-Output) technology
- Support 8 SSIDs
- Support wider RF bandwidth, up to 80MHz
- Support higher 256-QAM modulation mode
- Support MIMO-OFDM encoding mode
- Support wireless security of 64/128 bit WEP、802.1x、WPA and WPA2

PRODUCT NAME	PRODUCT MODEL	DESCRIPTIONS
4GE+2POTS+Dual-Band WIFI	Ftech GW-04-DF	4*10/100/1000M Ethernet interface, 1 GPON adaptive interface, 2 POTS interface, 1 USB interface, support dual-band WIFI function, plastic casing, external power supply adapter

⇒FiberTechnic **cyberteam**