ONU FAX1827BT
(4GE LAN PORTS + CATV + AX1800)

Overview:

FAX1827 model ONU is a user terminal device independently developed by BTPT in line with such industrial back ground.The device has built-in two-layer switching function and three-layer routing function. With compact structure and small appearance, it is a kind of FTTH optical network unit with high performance and low power consumption, which is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.

FAX1827 is an XPON product that can be adapted to EPON and GPON networks without replacing equipment and firmware.

Highlights:

- Dual band Wi-Fi, Superior performance of Wireless 11n 11ac and 11ax Transmission
- Compatible with 95% Third-party OLTs (Including Huawei/ZTE/Fiberhome/BT-PON and so on)
- Support EPON/GPON mode and switch mode automatically
- Support Route PPPoE/DHCP/Static IP and Bridge mode
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support IPv4/IPv6 dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect



Specifications

1. Main features

Hardware	
Interfaces	4GE LAN + 1CATV+2.4G &5.5G WIFI 6
Optical signal access	1*GPON/EPON
Indicator light	POWER/PON/LOS/LAN1/LAN2/LAN3/LAN4/USB 2.4G/5G/WPS/CATV
Buttons	Power switch Button, Reset Button, WLAN Button, WPS Button
Power adapter input	100V～240V AC，50Hz～60Hz
PowerSupply requirement	12V DC，1.5A
Power consumption	<10w
Working temperature	-10°C ~ +45°C
Environment humidity	5% ~ 95% (Non-condensing)
Dimensions (W x D x H)	205*140*30mm
Net Weight	300g
PON Interface	
Module type	Class B+ SC/APC
Working wavelength	PON: up 1310nm，down 1490nm
TX Optical power value	0.5～4dbm
RX Optical power sensitivity	-28dBm
Transmission distance	0～20km
Transmission rate	GPON:Up 1.244Gbps；down 2.488Gbps EPON:Up 1.244Gbps；down 1.244Gbps
Ethernet Interface	
Interface type	4*RJ45
Interface parameters	4*10/100/1000Mbps auto adaptive Ethernet interfaces
Wireless	
Working mode	IEEE 802.11 b/g/n/AC/AX
Antenna pattern	External 2*2T2R External antenna (MIMO)
Antenna gain	5dBi
Wireless bandwidth	Support 20MHz/40MHz/80MHz
Interface rate	Maximum rate 1775Mbps
SSID	Up to 4 SSID broadcasts are supported
Features	
• Support EPON/GPON mode and switch mode automatically • GPON:Compliance with IEEE 802.3ah & itu-t g.984.x standard • GPON:8 T-CONTs,32 GEM Ports Integrate OMCI(GPON)/OAM(EPON) and TR-069 remote configuration and maintenance • Layer 3 Home Gateway/CPE features with Hardware NAT, support Multiple WAN, Route/Bridge mode, etc • Layer 2 Switching, support 802.1Q VLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc Bi-directional FEC • Support firewall level Settings, support based on URL/MAC/ IP/ address frame filtering • Support multicast IGMP v2 proxy/ snooping, support MLD proxy/ snooping • Qos supports PQ, WRR, and CAR queue scheduling • Provide Maximum rate 1775Mbps Wireless interface, 2T2R external antenna, support multiple • SSID Settings • Support DDSN, ALG, DMZ and UPNP	
Package Contents	
Items	1 x GPON ONT x Quick Installation Guide1 x Power Adapter

Specifications

1. Main features

CATV Interface	
Optical receiving wavelength	1550±10nm
Optical reflection loss	≥45dBm
RF, WDM, optical power	+2~-15dBm
RF frequency range	47~1000MHz, RF output impedance: 75Ω
RF output level	78dBuV
AGC range	0~-12dBm
MER	≥32dB@-15dBm

2. Interface

