ONU FAX1827 with 4GE, Dual-band Wi-Fi 6 (AX1800) and RF

Overview:

FAX1827 is launched to be oriented to multi-service integration network as an optical network unit device, which belongs to XPON HGU terminal for FTTH/O scenario. It configures four 10/100/1000Mbps ports, WiFi6 (2.4G+5G) port and RF interface that providing with high-speed data services and high-quality video services to users.

Highlights:

- Support docking compatibility with OLT of various manufacturers
- Support automatically adapt to the EPON or GPON mode used by the peer OLT
- Support 2.4 and 5G Hz dual band WIFI
- Support multiple WIFI SSID
- Support EasyMesh WIFI function
- Support WIFI WPS function
- Support multiple wan configuration
- Support WAN PPPoE/DHCP/Static IP/Bridge mode
- Support CATV video service
- Support fast transmission of hardware NAT



Specifications

1. Main features

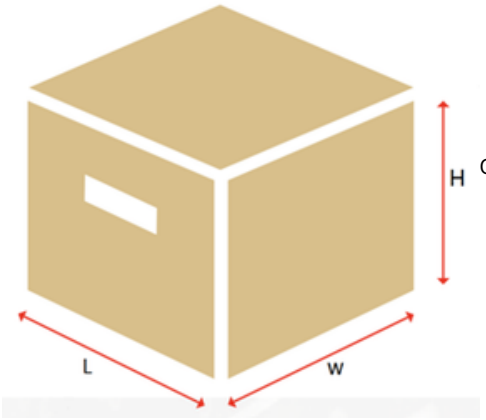
xPON Compliance	
• Comply with ITU-T G.984.x, IEEE802.3ah • Upstream/ Downstream rate: 1.25Gbps/2.5Gbps（GPON）; 1.25Gbps/1.25Gbps（EPON） • BiDi optical signal transmission • PON TX Power: 1~3dBm（1310nm） • PON RX sensitivity: <-28dBm（1490nm） • Distance: 20Km Max • Power: ≤ 18 W	
Hardware	
Interfaces	• SC/UPC or SC/APC (optional) • 4*10/100/1000M Base-T LAN Ports

WiFi	• Wireless Standards: IEEE802.11b/g/n/a/ac/ax
	• Signal Rate:
	  ◦ 5.8GHz: Up to 1201Mbps
	  ◦ 2.4GHz: Up to 574Mbps
	• Wireless Security： WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption

Power and Appearance	• Buttons: WPS, Reset Button, WiFi Button • Power Supply: DC 12V 1.5A • Antenna: 4*5dBi external antennas • Dimensions: 180*133*28mm
Weight	• 0.3kg
Environment	
Operating Temperature	-20°C~50°C
Storage Temperature	-40°C~70°C
Operating Humidity	10%~90%, non-condensing
Storage Humidity	5%~95% non-condensing
Certifications	QoS, RoHS
CATV	
• Interface type: 1*RF • Optical receiving wavelength: 1550nm • RF output level : 80±1.5dBuV • Input optical power: 0~-15dBm • AGC range: 0~-12dBm • Optical reflection loss： >14 • MER: >35@-15dBm	
Software	
• WAN Type: Dynamic IP/Static IP/PPPoE • Compliance with IEEE 802.3ah(EPON) & ITU-T G.984.x(GPON) standard • Compliance with IEEE802.11b/g/n/ax 2.4G & IEEE802.11a/n/ac/ax 5G WIFI standard • Support IPV4 & IPV6 Management and transmission • Support TR-069 remote configuration and maintenance • Support Layer 3 gateway with hardware NAT • Support Multiple WAN with Route/Bridge mode • Support Layer 2 802.1Q VLAN, 802.1P QoS, ACL etc • Support IGMP V2 and MLD proxy/ snooping • Support DDNS, ALG, DMZ, Firewall and UPNP service • Support bi-directional FEC	

Specifications

2. Packing list and size



ONU * 1 PC
Power adaptor *1 PC
Network cable *1 PC
Box *1 PC

Measurement: 27.5 * 25.8 * 5.7 cm, 0.53kg

3. Electric board

