4*GE+1*USB3.0+WiFi6

XPON HGU ONU

HP2514

1. Overview

FIBERWAY HP2514 (4GE+WiFi6 XPON HGU ONU) is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac/ax WiFi 6 technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONU also supports the OAM/OMCI protocol, and you can configure or manage the ONU on the OLT.

The ONU has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984

HP2514 built-in Ethernet LAN ports, 4x1GE BASE-T ports support ultrafast device connection, and includes powerful and enhanced WLAN interface based on MU-MIMO OFDMA 2x2 2.4GHz MIMO and 5Ghz 2x2 MIMO Wi-Fi antennas supporting 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz wireless frequency bands for Internet application such as video, email, web surfing, files upload/download and online gaming.

2. Features

- ➢ Dual mode ONU，can detect and exchange PON mode automatically

- ➢ Bridging and routing modes can be set

- ➢ Gigabit WiFi6 2.4GHz & 5GHz Dual Band Speed up to 3 Gbps

- ➢ USB3.0 Interface for Shared Storage/Printer

- ➢ Support loop detection, IGMP snooping

- ➢ 802.1Q VLAN, QinQ, Cos, DSCP, QoS for priority of service

- ➢ Support port speed, storm suppression

- ➢ Can be used in a wide temperature environment

- ➢ Support IPv4/IPv6 Stack

- ➢ Powerful firewall function, support remote software upgrading

3. Parameters

Description	Unit	Value	Conditions / Notes
PON			
PON standard		EPON IEEE802.3ah, GPON ITU-T G.984.x	
Optical interface		1XPON port(EPON PX20+ and GPON Class B+) SC single mode, SC/UPC connector TX optical power: 0～+4dBm RX sensitivity: -27dBm Overload optical power: -3dBm(EPON) or -8dBm(GPON) Transmission distance: 20KM	
Wavelength	nm	TX 1310nm, RX1490nm	
User interface		4*GE, Auto-negotiation,RJ45 ports 1*POTS, RJ11 Connector 1*USB3.0	
Antenna		4 ×5dBi external antennas	
USB		1×USB 3.0 for Shared Storage/Printer	
Indicators		PWR,PON ,LOS,WAN,WiFi,FXS, ETH1~4,WPS,USB	
Function Data			
Management		WEB/TELNET/OAM/OMCI/TR069	
Internet connection		Support Bridge/Router mode	
Firewall		DDOS, Filtering Based on ACL/MAC/URL	

Multicast		IGMP v1/v2/v3, IGMP snooping MLD v1/v2 snooping	
WIFI		Wi-Fi 6: 802.11a/n/ac/ax 5GHz & 802.11g/b/n/ax 2.4GHz WiFi Encryption:WEP-64/WEP-128/ WPA/WPA2/WPA3 Support OFDMA, MU-MIMO, Dynamic QoS, 1024-QAM Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band AX1500/AX1800/AX3000 optional	
VLAN		802.1D&802.1ad bridge, 802.1p Cos,802.1Q VLAN	
L3		IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS	
Firewall		Anti-DDOS, Filtering Based on ACL/MAC /URL	
Environmental Specifications			
Operating condition	°C	Operating temp: 0~ +55°C Operating humidity: 5~90% (non-condensed)	
Storing condition	°C	Storing temp: -30 ~ +60°C Storing humidity: 5 ~ 90% (non-condensed)	
Power supply	V	DC 12V/1.5A, external AC-DC power adaptor	
Power consumption	W	≤12W	
Mechanical Specifications			
Dimension (LxWxH)	mm	242mm×154mm×35mm(L×W×H)	
Weight	kg	0.42	

4. Order information

Model	Product Description	Note
HP2514-AX15	1XPON+4GE+WiFi6, WiFi rate up to 1500M	
HP2514-AX18	1XPON+4GE+WiFi6, WiFi rate up to 1800M	

5. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs/ctn	0.65kg/ctn	305x260x51mm
	20pcs/ctn	14kg/ctn	545x545x320mm