ONU

EPON -ONT-1SFP1GE-W

EPON -ONT-1SFP4FE2V-W

■ FEATURES

Support GE auto-adapting Ethernet ports.

1 PON port ,1*10/100/1000BASE-T ports and support WiFi.

Support one 802.11 n/b/g Wi-Fi port.

Support PPPoE+ for accurate subscribers identification.

Support two POTS (OPTIONAL).

Support Auto-negotiation and MDI/MDIX.

Support VLAN tagged label processing, traffic classification and packet filtering, STP/RSTP etc.

Support DHCP Option 60 reporting the location information of the ethernet interface.

Support software online upgrading.

MS network management based on SNMP ,convenient for maintenance In compliant with IEEE802.3ah standard.

Support the ethernet interface rate, working mode and flows control.

Support H.248, MGCP and SIP protocol.

Support IGMP snooping.

1 Year warranty.

■ TECHNICAL SPECIFICATION

Item	Parameters	Specification	
		EPON -OLT-1SFP1GE-W	EPON -OLT-1SFP4FE2V-W
Interface	PON Port	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/down-stream SC single-mode fiber Transmission distance 20KM	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/down-stream SC single-mode fiber split ratio: 1:64 Transmission distance 20KM
	PON Optical Parameter	Wavelength: Tx 1310nm, Rx1490nm Tx Optical Power: 0~4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125μm single-mode fiber	Wavelength: Tx 1310nm, Rx1490nm Tx Optical Power: 0~4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125μm single-mode fiber
	Ethernet Port(LAN)	1*10/100/1000 Mauto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance	4*10/100M Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
	POTS Port	NA	2*RJ11 with 3REN Max 1km distance Balanced Ring, 55V RMS
Management	Network Management	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management	Standard-compliant OAMI interface as defined by IEEE802.3ah Support TR-O69 and WEB management
	Management Function	Status monitor, Configuration management, Alarm management, Log management	

MORRELL®

ONU

■ WIFI FEATURES

IEEE 802.11n compliant, 2.4 GHz ,5.7GHZ(optional).

Full IEEE 802.11b/g legacy compatibility with enhanced performance.

Two-stream spatial multiplexing up to300 Mbps PHY data rates.

Support multi-SSID (Maximum 4 SSID).

Support automatic channel selection.

Support hide SSID.

Support wireless security of 64/128 bit WEP, 802.1x, WPA and WPA2.

1 Year warranty.

■ TECHNICAL SPECIFICATION

Item	Parameters	Specification	
		EPON -OLT-1SFP1GE-W	EPON -OLT-1SFP4FE2V-W
Environmental Specifications	Shell	Plastic casing	
	Power	External 12V 0.5A AC/DC power supply adapter Power consumption: <4W	External 12V 1A AC/DC power supply adapter
	Dimensions	130×110×24mm 0.18kg	170mm(L)*130mm(W)*30mm(H) 0.3kg
	Environment	Operating temperature: 0 to 50°C Storage temperature: -40 to 85°C Operating humidity: 10% to 90%(Non-condensing) Storage humidity: 10% to 90%(Non-condensing)	
WIFI Specification	Operating Mode	Router or bridge	
	Throughput	IEEE 802.11b: 11Mbps IEEE 802.11g: 54 Mbps IEEE 802.11n: 135Mbps	IEEE 802.11b: 1,2,5.5,11Mbps IEEE 802.11g: 6,9,12,18,24,36,48,54Mbps IEEE 802.11n: up to 200 Mbps
	Frequency	2.412 ~ 2.472 GHz	2.400 ~ 2.500 GHz
	Channel	13*Channel, configurable to meet the standard of USA, Canada, Japan and China	
	Modulation	DSSS , CCK and OFDM	802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS 802.11b: CCK, DQPSK, DBPSK HT20: 64 QAM, 16QAM, QPSK, BPSK
	Coding	BPSK, QPSK, 16QAM and 64QAM	
	RF receive Sensitivity	802.11b: -82dBm @ 1 Mbps; -80dBm @ 2 Mbps; -78dBm @ 5.5 Mbps; -76dBm @ 11 Mbps 802.11g: -82dBm @ 6 Mbps; -81dBm @ 9 Mbps; -79dBm @ 12 Mbps; -77dBm @ 18 Mbps; -74dBm @ 24 Mbps; -70dBm @ 36 Mbps; -66dBm @ 48 Mbps; -65dBm @ 54 Mbps	802.11b: -96dBm @ 1 Mbps; -93dBm @ 2 Mbps; -91dBm @ 5.5 Mbps; -88dBm @ 11 Mbps 802.11g: -90dBm @ 6 Mbps; -89dBm @ 9 Mbps; -89dBm @ 12 Mbps; -867dBm @ 18 Mbps; -83dBm @ 24 Mbps; -79dBm @ 36 Mbps; -75dBm @ 48 Mbps; -75dBm @ 54 Mbps 802.11n: -96dBm @ 1 Mbps;-88dBm @ 11 Mbps; -90dBm@6Mbps; -75dBm@54Mbps; -86dBm@m0/20MHz;-69dBm@m15/20M-Hz;
	RF output Lever	802.11b: 16.5 ±1dBm 802.11g: 13 ± 1dBm @ 54 Mbps; 14 ± 1dBm @ 48 Mbps; 15 ± 1dBm @ 6 ~ 36 Mbps 802.11n: 13 ± 1dBm @ 54 Mbps; 14 ± 1dBm @ 48 Mbps; 15 ± 1dBm @ 6	TX power out B mode @ 11 Mbps: 18dBm +/- 2 TX power out G mode @ 54 Mbps: 16dBm +/- 2 TX power 11n mode @ HT20: 16 dBm +/-2
	Encryption Mode	802.11i security: WEP-64/128, TKIP (WPA-PSK) and AES (WPA2-PSK)	64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x