

1GE+CATV XPON ONU

S-XPON-1001-ONT



S-XPON-1001-ONT (1GE+CATV ONU) is support Dual mode (EPON and GPON), It can also be applied to a wide temperature environment, and also has a powerful firewall function.

S-XPON-1001-ONT (1GE+CATV ONT) meets telecom operators FTTO (office), FTTD (Desk), FTTH (Home) broadband access, TV and other requirements. The box is based on the mature Gigabit GPON/EPON technology, highly reliable and easy to maintain, with guaranteed QOS for different service. And it is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.

FEATURES:

- 1GE+CATV Dual Mode
- Special cabinet
- · Routing and Bridging Mode
- · Prevent Rogue ONU and Powerful Firewall

STANDARD:

• Meet IEEE802.3ah and ITU-TG.984.x standards

SFU/HGU ONU:

- Routing and Bridging Mode
- Well compatible with most populler mainstream OLTs

LAYER2 & LAYER3

- 802.1D&802.1ad bridging
- 802.1p CoS
- 802.1Q VLAN
- **I**Pv4
- DHCP Client/Server
- PPPoE, NAT, DMZ, DDNS

MULTICAST:

• IGMP v2/v3, IGMP snooping

SECURITY AND FIREWALL:

- Prevent Rogue ONU
- DDOS, Filtering Based on ACL/MAC/URL

Optical interface 1 G/EPON port(EPON PX20+ and GPON Class B+) (SC/APC) Receiving sensitivity: ≤-28dBm Transmitting optical power: 0 ~ +4dBm Transmission distance: 20KM Wavelength Tx 1310nm, Rx 1490nm LAN interface 1x 10/100/1000Mbps auto adaptive Ethernet interfaces Full/Half, RJ45 connector CATV interface RF, optical power: 0 ~ -3dBm Optical receiving wavelength: 1550±10nm RF frequency range: 47 ~ 1000MHz RF output impedance: 75Ω RF output level: 50 ~ 60dBuV(0 ~ -3dBm) MER: ≥32dB(-3dBm optical input) LED POWER, LOS, PON, LAN, CATV Operating condition Temperature: 0°C ~ 50°C Humidity: 10% ~ 90% (non-condensing) Storing condition Temperature: -30°C ~ 60°C Humidity: 10% ~ 90% (non-condensing) Power supply DC 12V/0.5A	Specifications	S-XPON-1001-ONT
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$RF \ \text{frequency range: } 47^{\sim} 1000 \text{MHz}$ $RF \ \text{output impedance: } 75\Omega$ $RF \ \text{output level: } 50^{\sim} 60 \text{dBuV} (0^{\sim} -3 \text{dBm})$ $MER: \geq 32 \text{dB} (-3 \text{dBm optical input})$ $LED \qquad \qquad \qquad \qquad POWER, LOS, PON, LAN, CATV$ $Operating \ \text{condition} \qquad \qquad Temperature: 0^{\circ}\text{C}^{\sim} 50^{\circ}\text{C}$ $\qquad \qquad \qquad \qquad \qquad \text{Humidity: } 10\%^{\sim} 90\% \ \text{(non-condensing)}$ $Storing \ \text{condition} \qquad \qquad Temperature: -30^{\circ}\text{C}^{\sim} 60^{\circ}\text{C}$ $\qquad \qquad $	CATV interface	RF, optical power : 0 $^{\sim}$ -3dBm
$RF \ \text{output impedance: } 75\Omega$ $RF \ \text{output level: } 50\ ^{\circ} \ \text{60dBuV} (0\ ^{\circ} \ \text{-3dBm})$ $MER: \geq 32 \text{dB} (\text{-3dBm optical input})$ $LED \qquad \qquad POWER, LOS, PON, LAN, CATV$ $Operating \ \text{condition} \qquad \qquad Temperature: 0\ ^{\circ}C\ ^{\circ} \ 50\ ^{\circ}C$ $\qquad \qquad Humidity: 10\%\ ^{\circ} \ 90\% \ (\text{non-condensing})$ $Storing \ \text{condition} \qquad \qquad Temperature: -30\ ^{\circ}C\ ^{\circ} \ 60\ ^{\circ}C$ $\qquad \qquad Humidity: 10\%\ ^{\circ} \ 90\% \ (\text{non-condensing})$ $Power \ \text{supply} \qquad \qquad DC \ 12V/0.5A$		Optical receiving wavelength: 1550±10nm
RF output level: 50 ~ 60dBuV(0 ~ -3dBm) MER: ≥32dB(-3dBm optical input) LED POWER, LOS, PON, LAN, CATV Operating condition Temperature: 0°C ~ 50°C Humidity: 10% ~ 90% (non-condensing) Storing condition Temperature :-30°C ~ 60°C Humidity: 10% ~ 90% (non-condensing) Power supply DC 12V/0.5A		RF frequency range: 47 $^{\sim}$ 1000MHz
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Humidity:10% 90% (non-condensing) Power supply DC 12V/0.5A		Humidity: 10% ~ 90% (non-condensing)
Power supply DC 12V/0.5A	Storing condition	Temperature :-30°C [~] 60°C
		Humidity:10%~90% (non-condensing)
Power consumption 24 OW	Power supply	DC 12V/0.5A
Fower consumption ≤4.0W	Power consumption	≤4.0W







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