

# 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 ONU) 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
- IPv4
- 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

Specifications	S-XPON-1001-ONT
Optical interface	1 G/EPON port(EPON PX20+ and GPON Class B+) (SC/APC) Receiving sensitivity: $\leq -28\text{dBm}$ Transmitting optical power: $0 \sim +4\text{dBm}$ 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 : $0 \sim -3\text{dBm}$ Optical receiving wavelength: $1550 \pm 10\text{nm}$ RF frequency range: $47 \sim 1000\text{MHz}$ RF output impedance: $75\Omega$ RF output level: $50 \sim 60\text{dBuV}(0 \sim -3\text{dBm})$ MER: $\geq 32\text{dB}(-3\text{dBm optical input})$
LED	POWER, LOS, PON, LAN, CATV
Operating condition	Temperature: $0^\circ\text{C} \sim 50^\circ\text{C}$ Humidity: $10\% \sim 90\%$ (non-condensing)
Storing condition	Temperature : $-30^\circ\text{C} \sim 60^\circ\text{C}$ Humidity : $10\% \sim 90\%$ (non-condensing)
Power supply	DC 12V/0.5A
Power consumption	$\leq 4.0\text{W}$

