1GE

G/EPON ONT

Model: X11

ONU Overview

X11 is one of the latest G/EPON passive optical network communication terminal series, the product provides 1 10/100/1000M RJ45 interface, 1 optical fiber access, suitable for home and small business users,it can well meet the FTTH high-speed data transmission applications.

Interface Function

- 1 *G/EPON interface： SC/UPC/APC interface， Comply with GPON and EPON standards

- 1* Ethernet interface：10Mbps/100Mbps/1000Mbps，RJ-45，Comply IEEE802.3–2005 standards

Network topology

Hardware Parameters

LED	PWR+PON/LOS+LAN
Port	1*RJ45(GE)
	1*Reset
	1*SC/APC (or SC/UPC)
	1*DC
Size	79.5*74.7*22mm(L*W*H)
Power Consumption	≤8W

Ethernet Port	Ethernet port-based VLAN tags and tag removal
	VLAN transparent and aggregation
	MAC address learning
	10/100/1000Mbps Auto negotiation

Product Function

Environment

Operate Temperature	0℃~45℃
Storage Temperature	-20℃~70℃
Operating Humidity	5%~95%(non-condensing)
Power Supply	12V/0.5A

G/EPON

- ITU-T G.984.1-4
- IEEE 802.3ah
- 15 TCONTs /256GEM ports
- 8 Egress queues per TCONT at least
- VLAN or VLAN plus priority gem mapping mode
- SN/LOID/SN+ Password authentication
- Performance monitoring: eth/Gem port
- Dying gasp

Layer 2 Features

- MAC learning (SVL)/aging
- Support max frame length to1518 bytes
- VLAN tagging for untagged packets
- Support VLAN 1-4094
- VLAN transparent/translation

Multicast

- IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376)
- IGMP snooping

Product Function-Continued

Management

- OMCI/Web UI
- SSH management with CLI commands
- Dual-system software backup and rollback