

XGPON ONT Datasheet

1*2.5G+3GE

Model: XGP-1+2.5



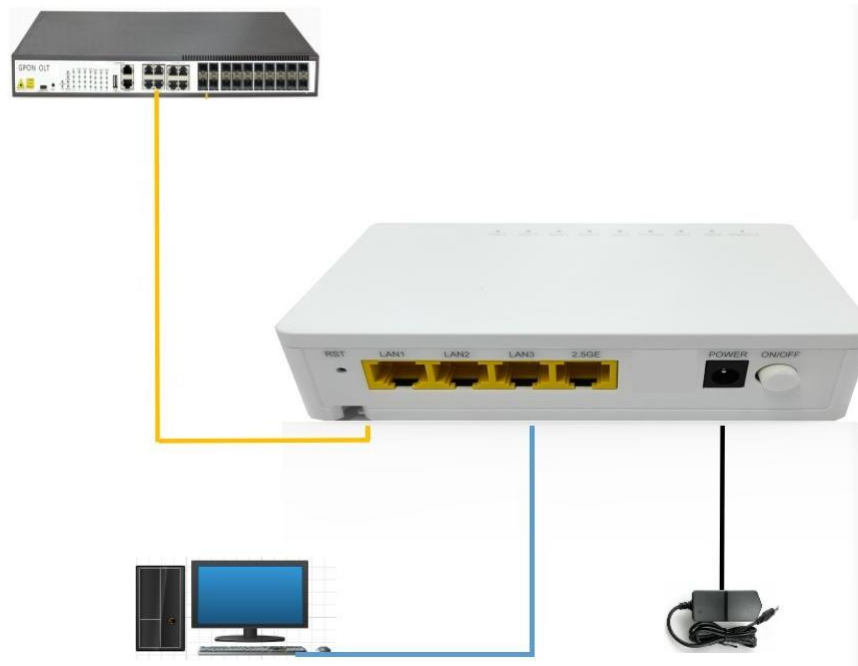
Overview

The XGP-1+2.5 is a XGPON optical terminal access device. It is the end-product of optical fiber for operators. It supports access through XGPON upstream technology and provides users with Ethernet functions. The upstream network ports of the XGP-1+2.5 are XGPON ports. The downstream user ports include 2.5GE and GE electrical ports.

Interface function

- 1 * XGPON interface: SC/UPC/APC interface, XGPON standard
- 1*2.5G+3*GE, 1000 MBPS, RJ - 45, IEEE802.3-2005 standard

Cable connection



Hardware Parameters

Flash	256MB NAND
Memory	512MB DDR4
LED	POWER+PON/LOS+NET+LAN
Port	1*2.5G+3*GE
	1*Reset+1*Power
	1*SC/UPC (or SC/APC)
	1*DC
Size	130mm*90mm*38mm(L*W*H)
consumption	≤10W

Interface Parameters

XGPON Port	Class B + optical system Maximum Receive Sensitivity: -8 dBm Minimum reception sensitivity: -28 dBm Wavelengths: US 1270 nm, DS 1577nm 10G downstream/2.5G upstream
Ethernet	Ethernet port-based VLAN tags and tag removal VLAN transparent and mark MAC address learning 100/100/1000/2.5G Mbps Autonegotiation

Environment

Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Operating Humidity	5% ~ 95% (non-condensing)
Power Supply	12V/1A

Product Function

XGPON

- ITU-T G.987.3, G.988, G.989
- 15 TCONTs /256GEM ports
- 8 Egress queues per TCONT at least
- VLAN/ priority/VEIP gem mapping mode
- SN/LOID/SN+ Password authentication
- Performance monitoring: eth/Gem port
- Dying gasp

Layer 3 Features

- PPPoE/Static IP/DHCP
- NAT/NAPT
- Port forwarding
- ALG
- DDNS
- IPv6/IPv4 dual stack,
- Static/Default routes
- Multiple services on one WAN port
- RIPv2 with passive mode

Layer 2 Features

- MAC learning (SVL)/aging
- VLAN tagging for untagged packets
- Support VLAN 1-4094
- VLAN transparent/translation

QoS

- Support 8 Queues with Strict Priority
- Ethernet port rate limitation
- 802.1ppriority
- SP/WRR
- Service flow classification

Multicast

- IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376)
- IGMP snooping and IGMP Proxy
- MLD v1/v2

Management

- OMCI/Web UI/TR069
- Telnet/SSH management
- Dual-system software

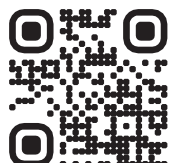


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