ONT 4-Port+2Pots+CATV+PoE Product Introduction

1. Product Overview

Integrated with powerful interoperability and low cost, GPON ONT 4-Port PoE ONT provide multi-services to the subscribers in FTTx application.

Equipped with 2.488Gbps downstream and 1.25Gbps Upstream GPON interface compliant with ITU-T G.984.x standard, ONT support comprehensive services, including VOIP, IPTV/VoD, HSI service，and CATV service.

2. Hardware Specification

Item	4-Port PoE ONT	
PON Interface	Rate	Upstream: 1.244Gbps Downstream: 2.488Gbps
	Interface standard	Class B+
	Optical output rate	+0.5~+5dBm
	Receiving sensitivity	-27dBm
	Receiving saturability	-8dBm
Service Interface	PON interface	1*SC/APC
	Data interface	4*10/100/1000Base-T with POE
	FXS interface	2
	RF interface	1
	USB interface	1
Dimension	217.5 mm *145.2 mm *44mm（L*W*H）	
Weight	2500g	
Power Supply	220V AC	
Power Consumption	72W	
Working Environment	Temperature	0ºC to +40º C
	Humidity	5% to 95% (no condensing)

3. Product Feature

Item	4-Port PoE ONT
GPON	• Compliant with ITU-T G.984 GPON standard • FEC (Forward Error Correction) in both upstream and downstream • Dynamic bandwidth status report • 802.1P mapper for upstream • SP/WRR/SP+WRR between GEM port and T-CONT • Downstream multicast GEM port and broadcast GEM port
Ethernet	• Support Auto-speed and MDI/MDIX auto detection • Internal L2 switch • Advanced data processing function, such as VLAN label processing, flow classification and packet filtering.
Gateway	• WAN support Router and Bridge mode • Router mode supports PPPoE/DHCP/ static IP • WAN support Internet、VoIP、IPTV、TR069 • LAN supports DHCP and static IP • Support NAT and NAPT • Support UPnP
VoIP	• Support SIP (RFC3261) • Support Voice coding: ITU-T G.711A/u,G.729a/b • Support EC • Support high/low speed fax/Modem, bypass fax, and T38 fax • Support InBand/RFC2833/SIP INFO, MD5 authentication, Call forward/Call waiting/Hot-line call
CATV	• RF output frequency：54~862MHz • RF output level (dbuv) ≥70 • AGC dynamic range (DBM): -8 ~ +2dBm • CATV Received optical power range(Digital): -15 ~ +2dBm
OAM	• Standard OMCI compliant with ITU-T G.988 • Compliant with TR-069 standard • Compliant with TR-098/TR-140 terminal management interface specification, Services configuration including Ethernet/VoIP • Alarm reporting/ performance monitoring • Remote software upgrade through OMCI