

Technical Data Sheet

SINGLE GIGABIT OPTICAL NETWORK TERMINAL



PRODUCT CODE
NTPL-ONT1GE

Special Features

- ▶ Plug and play, integrated auto-detecting, auto-configuration, and auto firmware upgrade, etc.
- ▶ Integrated OMCI remote configuration and maintenance function.
- ▶ Functions like transceiver diagnostic monitoring, transmitter disable, etc.
- ▶ Fully compatibility with OLT based on Broadlight/Broadcom chipset.
- ▶ Support port monitoring, port mirroring, port rate limiting, port SLA, etc.
- ▶ Support auto polarity detection of Ethernet ports (AUTO MDIX).

Technical Specifications

Parameter Name	Hardware Parameter
	GPON
PON	SC single-mode/single-fiber,
	Downstream rate 2.5Gbps, Upstream rate 1.25Gbps
Wavelength	Tx 1310nm, Rx 1490nm
Sensitivity	<-27dBm(CLASS B+)
Overload	>-8dBm(CLASS B+)
Optical Type	SC/PC
Interface Type	1*10/100/1000Mbps
	Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connector
Indicators	5, For POWER、SYS、PON、LOS、Lan
Power adapter input	220V AC, 50HZ
Ambient temperature	-20 ~ +55°C
Ambient humidity	10% ~ 90%(non-condensing)
Store temperature	-30 ~ +60°C
Store humidity	10% ~ 90%(non-condensing)
Dimension (L x W x H)	120mm×78mm×30mm
Power	12V,0.5A
Power Consumption	≤4W
Weight	About 100g (without power adaptor)
Gross weight	About 250g

Software Parameters

Parameter Name	GPON
Basic	Support authentication SN/Loid/ Loid+Password TCONT(Max 8) GEM(Max 32) Support Upstream and Downstream FEC Support AES Support Key switching Support DBRu
Alarm	Support Dying Gasp
LAN	Support Port rate limiting Support Flow control / Support Storm control
VLAN	Support VLAN tag mode / Support VLAN transparent mode / Support VLAN trunk mode(max 8 vlans)
Multicast	Support IGMPv1/v2 / Support IGMP Snooping / Max Multicast vlan 8 / Max Multicast Group 64
Management	Support OMCI(ITU-T G.984.x)/ Support WEB / Support TELNET / Support CLI
Throughput	Upstream >900Mbps / Downstream >960Mbps
Packet lost	14Hours /Lost 0



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