

# Technical Data Sheet

SINGLE GIGABIT ETHERNET XPON OPTICAL NETWORK SUBSCRIBER UNIT



PRODUCT CODE  
NTPL-XPON1GE

## Technical Parameter-NTPL-XPON1GE

### Special Features

Dual mode (Can access EPON/GPON OLTs)

Compatible with popular OLT (HW, ZTE...)

Industrial Design

Routing or Bridging Mode

Detecting Rogue ONU

Flow & Storm Control, Loop Detection

Firewall: DDOS, Filtering Based on ACL/MAC/URL

O&M: WEB/TELNET/OAM(OMCI)/TR069



### Technical Parameters

Parameter Name	Hardware Parameter
PON	SC dual-mode/single-fiber, EPON Mode: symmetric 1.25Gbps GPON Mode: Downstream rate 2.5Gbps, Upstream rate 1.25Gbps
Wavelength	Tx 1310nm, Rx 1490nm
Sensitivity	<-27dBm(PX20+)

Overload	> -3dBm(PX20+)
Optical Type	SC/PC
Interface Type	1*10/100/1000Mbps Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connector
Indicators	3, For SYS、LINK/ACY、REG
Power adapter input	220V AC, 50HZ
Ambient temperature	-30 ~ +70℃
Ambient humidity	10% ~ 90%(non-condensing)
Store temperature	-30 ~ +60℃
Store humidity	10% ~ 90%(non-condensing)
Dimension (L x W x H)	80mm×80mm×25mm
Power	12V,0.5A
Power Consumption	≤4W
Weight (No Power Adapter)	About 100g
Gross weight	About 250g

Parameter Name	Software Parameter
Basic (EPON)	Support MPCP discover@ister Support authentication Mac/Loid/Mac+Loid Support Triple Churning Support DBA bandwidth
Basic (GPON)	Support authentication SN/Loid/ Loid+Password TCONT(Max 8) GEM(Max 32)
Alarm	Support Dying Gasp Support PortLoopDetect Support Eth Port Los
LAN	Support Port rate limiting Support Loop detection Support Flow control Support Storm control Support Mac limiting(max mac limit 500)

VLAN	Support VLAN tag mode Support VLAN transparent mode Support VLAN trunk mode(max 16 vlans) Support VLAN 1:1 translation mode(max 16 vlans)
Multicast	Support IGMPv1/v2 Support IGMP Snooping Max Multicast vlan 8 Max Multicast Group 255
QoS	Support 4 queues Support SP and WRR Support 802.1P Classification: D-MAC/S-MAC/D-IP/S-IP/L4-S-Port/L4-D-Port/Vlan/Cos/Ether Type/DSCP
L3	Support IPv4、 IPv6 and IPv4/IPv6 dual stack Support WAN DHCP/PPPOE/Static IP Support Static Route Support NAT Support Port forwarding Support DHCP server
Security	Anti-DOS attack Prevent The Rogue DHCP Server Prevent The Rogue PPPoE Server ONU Laser always-on detection Powerful firewall function
Management	Support CTC OAM(EPON) ITUT984.x OMCI(GPON) Support WEB Support TELNET
Throughput	Upstream >900Mbps Downstream >960Mbps
Packet lost	14Hours /Lost 0



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