



Overview:

NETRO-NN-1X-GPON is for broadband access market based on the introduction of EPON & GPON technology passive optical network terminal products. It's with EPON/GPON OLT are used together to provide a complete broadband access solution.

It's suitable for home or business users, and can meet the FTTH high-speed data transmission of the application.

Features:

- Support port - based rate limitation and bandwidth control
- In compliant with IEEE802.3ah standard & ITU-U G.984
- Up to 20km transmission distance
- Support data encryption, group broadcasting, port VLAN separation, etc
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support port mode of VLAN configuration
- Support power, off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port loop detection
- Support ACL to configure data packet filter flexibly
- Support PPPoE/DHCP Server/IPTV/NAT
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- Support PPPoE/DHCP Server/NAT
- Support mac/port/url filter

Product Interfaces and Indicators Definitions:

Indicator		Description
1	POW	Power Status On: The ONU is power on Off: The ONU is power off
2	PON	ONU Register On: Success to register to OLT Blinking: In process of registering to OLT Off: Fail to register to OLT
3	LOS	Optical Signals On: Optical power is abnormal Off: Optical in normal
4	LAN	LAN Port Status On: Ethernet connection is normal Blinking: Data is being transmitted Off: Ethernet connection is not set up

Technical Parameter:

Item	Description
User Interface	1*10/100/1000M RJ45
PON	<p>GPON: upstream 1.25Gbps/downstream 2.5Gbps EPON: upstream 1.25Gbps/downstream 1.5Gbps Network coverage radius: 20km</p> <p>GPON: Optical receive sensitivity: $\geq 28\text{dBm}$ Continuous light power: 0.5dBm ~ +5dBm</p> <p>EPON: Optical receive sensitivity: $\geq 27\text{dBm}$ Continuous light power: 0dBm~4dBm Security: ONU authentication mechanism</p>
Ethernet	1*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Size	105mm(L) X 85mm (W) X25mm (H)
Environment	Operating temperature: 0°C~60°C Operating humidity: 10%~85% (non-condensing) Storage temperature: -40°C~80°C Storage humidity: 5%~95% (non-condensing)
Power Supply	12V/0.5A DC Power Interface size: 2.1mm/5.5mm
Power Consumption	<3W

Ordering Information:

NN-1X-GPON	1*10/100/1000M Ethernet Interface (RJ45) 1 EPON or GPON interface
------------	--