Overview:

- NN-1G-EPON is designed as HGU (Home Gateway Unit) in deferent FTTH solutions, The carrier-class FTTH application provides data service access.
- NN-1G-EPON is based on mature and stable, cost-effective EPON technology.
- NN-1G-EPON adopts high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance of the module of China Telecom EPON CTC3.0

Functional Feature:

- Support EPON Mode
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support Route PPPoE/IPoE/Static IP and Bridge mode
- Support IPv4/IPv6 Dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect
- Specialized design for system breakdown prevention to maintain stable system

Specifications:

Technical item	Details
PON Interface	1 EPON port(EPON PX20+)
	Receiving sensitivity: ≤-27dBm
	Transmitting optical power: 0~+4dBm
	Transmission distance: 20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/UPC Connector
Chip Spec	RTL9601D ,CPU 300MHz,DDR2 32MB
Flash	SPI Nor Flash 8MB
LAN Interface	1x 10/100/1000Mbps auto adaptive Ethernet interface. RJ45 connector
LED	4 LED, For Status of PWR、LOS、PON、LINK/ACT
Push-Button	1,For Function of Reset
Operating Condition	Temperature: 0℃~+50℃
	Humidity: 10%～90%（non-condensing）
Storing Condition	Temperature: -30℃~+60℃
	Humidity: 10%~90%（non-condensing）
Power Supply	DC 12V/0.5A
Power Consumption	<3W
Dimension	120mmx78mmx30mm(L×W×H)
Net Weight	0.13Kg

Panel lights Introduction:

Pilot	Status	Description
PWR	On	The device is powered up.
	Off	The device is powered down.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LOS	Blink	The device doses not receive optical signals.
	Off	The device has received optical signal.
LINK/ACT	On	Port is connected properly (LINK).
	Blink	Port is sending or/and receiving data (ACT).
	Off	Port connection exception or not connected.

Application:

- Typical Solution：FTTO(Office)、 FTTB(Building)、FTTH(Home)
- Typical Business：INTERNET、IPTV etc