

NGP5500-16B



Product Description

16 GPON Port OLT with 1 x Console port, 1 x out-of-band 10/100M Ethernet management port, 16 x fixed GPON ports (OLT SFP modules not included), 4 x Gigabit SFP ports, 4 x Gigabit combo ports, and 4 x 10G SFP+ ports.
Standard single AC power supply (AC 90 – 264V), optional dual power supply.
19-inch standard rack-mount installation.

Features

Item	Description
Standards	➤ ITU-T G.984/G.988 ➤ IEEE 802.11D, Spanning Tree ➤ IEEE 802.1Q, VLAN ➤ IEEE 802.1w, RSTP ➤ IEEE 802.3ad physical link static/dynamic aggregation (LACP), Ethernet - II
VLAN	➤ Port/IP/Protocol/MAC-based VLAN ➤ 4K VLAN ➤ QinQ and flexible QinQ
Multicast	➤ L2 multicast ➤ IGMP snooping ➤ MLD snooping ➤ Fast-leave
Layer Function	3 Static route; RIPv1/v2; OSPF; BGP
QoS	➤ Backpressure flow control (half duplex) ➤ IEEE 802.3x flow control (full duplex) ➤ IEEE 802.1p, CoS ➤ WRR, SP and FIFO queue schedule ➤ Limiting the uplink/downlink rate based on each ONU ➤ DBA and SLA
Reliability	➤ Unidirectional Link Detection (UDLD) ➤ Hot swap of the GPON optical module ➤ Optical path protection of GPON (type B/C, hand-in-hand) ➤ Abnormal luminescence ONU detection such as long luminescence ➤ IEEE 802.3ad LACP
DHCP Function	➤ Server/Relay/Client ➤ DHCP snooping ➤ DHCP option 66,67,82 ➤ DAI ➤ IP source guard

Features

Item	Description
Network Security	➤ L2~4 ACL ➤ Flow-based ACL ➤ MAC limitation ➤ MAC sticky ➤ Port isolation ➤ Packet storm control ➤ Transmission data encryption on the PON interface ➤ Anti attack for DDOS, TCPSYN-flood, UDP-flood, ARPflood, etc.
Management	Various management modes such as CLI, Telnet, SSH, HTTP, SSL and SNMP; ISSU; FTP/TFTP; SPAN/RSPAN; NTP
Network Availability	STP/RSTP/MSTP; BPDU guard; EAPS

Specification

Item	Description
PON ports	16
GE uplink	4 100/1000M SFP + 4 GE SFP/TX
10GE uplink	4 10GE SFP+
Supported GPON SFP module	Class B+, Class C+, Class C++, Class C+++
RJ45 console	1
Mini-USB console	1
Out-of-Band	1
DRAM (MB)	1024
Flash (MB)	32
Backplane (Gbps)	176
MAC table	40K
Buffer size (MB)	3
Jumbo frame (KB)	9

IPv4 routing table	32K
IPv6 routing table	8K
Active VLAN	4,094
SVI number	512
Forwarding mode	Store-and-forward
AC (V)	90 ~ 264
DC (V)	36~72
Power slots	2
Max. consumption (W)	70
Total output BTU (note: 1000 BTU/hr = 293W)	238.9
Fan number	3
Air-flow	Left-right
Noise@25° C(dBA)	< 45
Chassis	
Dimensions(WxDxH mm)	442.5 x 304 x 44
Weight (Kg)(empty)	5.6
Package	
Dimensions(WxDxH mm)	576 x 448 x 94
Weight (Kg)	6.5
Operating	

Temperature	0~50°C
Humidity (non-condensing)	10%~85%
Storage	
Temperature	-40°C~80°C
Humidity (non-condensing)	5%~95%
Parts	Power cord rackmount kits console cable
MTBF (Hr)	95,000
Certification	CE, FCC, ROHS