SNR-OLT-4x-8GC

1U G-PON OLT system with 4xG-PON ports and 8xGE uplink ports (combo)

With increasing internet users in thinly populated regions, the demand of high-bandwidth and cost-effective systems for connecting to network has been existed in the market these days. To meet these customer needs, SNR has launched G-PON OLT (Gigabit Passive Optical Network) OLT system.

SNR-OLT-4x-8GC is a compact G-PON OLT system having 4 G-PON ports and 8 uplink ports (optical or electrical GE), which provides FTTx service to the areas that have a low density of population or a small number of subscribers with less cost.

SNR-OLT-4x-8GC meets carrier's requirements for flexibility and reliability. SNR-OLT-4x-8GC supports the module-type power (AC/DC) and combo-type Gigabit uplink ports (optical or electrical GE), which ensures to apply in a variety of circumstances. Reliable operation and service are guaranteed through power redundancy, which prevents the system shutting down at the power-related failure.

High Performance
- 36 Gbps switching capacity
- 53.5 Mpps forwarding rate
- High Capacity Uplink/Service Interface
  2.5Gbps (down) / 1.25Gbps (up)

Efficiency
- Easy to install due to Compact Size
- Cost-Effective at thinly populated regions

Flexibility and Reliability
- Selecve interfaces for network circumstances
- Module-type power / Combo-type ports
- Reliable FTTx service with power redundancy system
- Improved QoS and differenated traffic service

Specification

Performance	Switching Capacity: 36Gbps, Throughput: 53.5 Mpps
Flash Memory	40MB
SDRAM	512MB
Service port	4-Port G-PON - 2.5Gbps(down)/1.25Gbps(up), SFP Type
Uplink port	8-Port Combo-type 100/1000Base-X (SFP Type) or 10/100/1000Base-T (RJ45)
Console port	1-Port Console, RS232
MGMT port	1-Port 10/100Base-TX, RJ45
Input Voltage (AC)	100-240VAC, 50/60Hz
Input Voltage (DC)	-48/60VDC
Power Consumption	AC type: 48W, DC type: 38W

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Operating Temp.	0~50°C (32~122°F)
Storage Temp.	-40~70°C(-40~158°F)
Operating Humidity	0~90%(Non-Condensing)
Dimension (WxDxH)	432mmx300mmx43mm

Functionality

G-PON	Support 4k port-ID and 1k alloc-ID Support ITU-T G.984.4 ONT Management & Control Interface (OMCI) Remote ONT/ONU management Automac ONT ranging G-PON OLT compliant with ITU-T G.984
Management	Serial/Telnet (CLI) SNMPv1/v2/v3 DHCP server, relay agent with option82 RMON Syslog Port Mirroring
Security	SSH v1/v2 802.1x with RADIUS and TACACS+ Storm Control
L2 Features	Standard Ethernet Bridging 16K MAC entries 4K VLANs Port-based VLAN Spanning tree (STP/RSTP/MSTP) 802.3ad Link aggregation based on MAC Flow Control
L3 Features	Static Routing RIPv1/v2, OSPFv2, BGPv4 VRRP
Multicast	IGMPv1/v2/v3 IGMP Snooping MVR IGMP Filtering and Throttling
QoS	Rate Limit per port Scheduling (SP, WRR, DRR) Queues per Port (4)