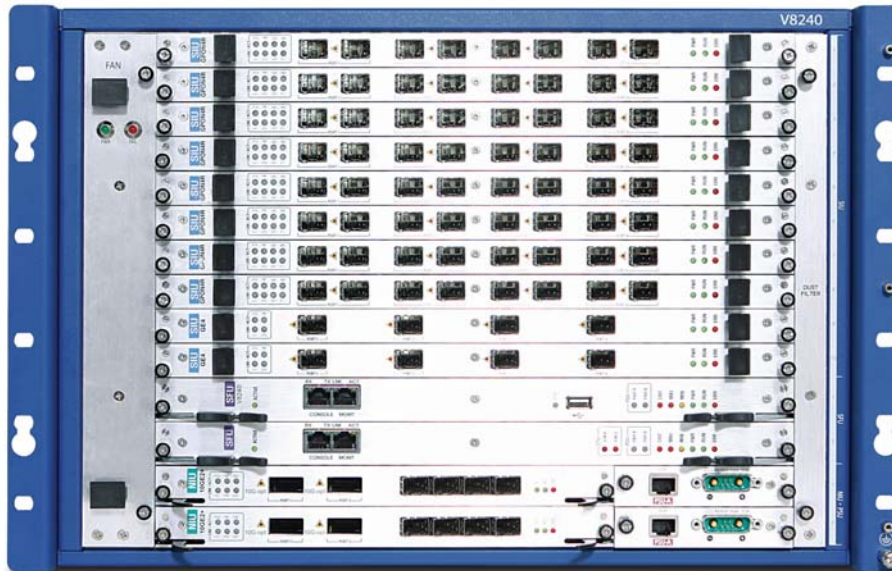




G-PON OLT



DASAN Networks' V8240 is a 7 RU height chassis based G-PON OLT system which is comprised of 14 slots for 10 service modular units, 2 uplink modular units, 2 switching fabric units to deliver a wide range of full-featured and high-performance over FTTx applications. It is a high-density chassis system that supports up to 2,560 residential and business subscribers with 40 G-PON ports (1:64 split ratio). It also provides simultaneous services of G-PON and Gigabit Ethernet.

V8240 features flexible and high capacity G-PON access and 10GbE uplinks, scalability and line rate performance with a 296Gbps non-blocked switch fabric.

V8240 guarantees equipment-level reliability with full redundancy design concept of SFU/Power/G-PON ports. This is a substantial factor for aggregation switches to perform continuous traffic forwarding to core network without failure. The PON technology adds new features and functionality targeted at improving performance and interoperability, and adds support for new applications, services, and deployment scenarios.

Product Features

- 40 G-PON or 40 GbE AE ports per chassis
- 4 x 10GbE + 8 x 1GbE Uplink ports
- Multi-service chassis for FTTx deployments
- Full redundancy
- Support and delivery of various service types: VoIP, IP-TV, high-speed internet, mobile, etc.
- Non-stop forwarding, Non-stop routing features based on distributed architecture
- Selective service/uplink modular units for flexible network
- High capacity G-PON access and 10GbE uplinks, scalability and line rate performance
- Real-time network traffic monitoring and analyzing
- Common & familiar CLI via console/telnet
- SNMPv2/v3 with RMON, Alarms
- L2/L3/L4 classification / Priority management

• Specification

Flash Memory	72MB	MAC Address	32K
SDRAM	1GB	Routing Entry	16K
SIU (Subscriber Interface Unit)	10-Slot for SIU <ul style="list-style-type: none"> ▶ SIU_GE4: 4-Port 100/1000Base-X (SFP) ▶ SIU_GPON4R: 4-Port G-PON Redundancy ▶ SIU_GPON4: 4-Port G-PON (SFP, SC/PC) 	VLAN	4K
NIU (Network Interface Unit)	2-Slot for NIU <ul style="list-style-type: none"> ▶ NIU_10GE2+: 2-Port 10GbE (XFP) + 4-Port 100/1000Base-X (SFP) 	Switching Capacity	296Gbps
SFU (Switching Fabric Unit)	2-Slot for SFU <ul style="list-style-type: none"> ▶ 1-Port Console (RS232) & 1-Port MGMT (10/100Base-TX, RJ45) 	Throughput	220Mpps
		Input Voltage (AC)	100-240VAC, 50/60Hz
		Input Voltage (DC)	-48/60VDC
		Operating Temp.	32~122°F (0~50°C)
		Storage Temp.	-40~158°F (-40~70°C)
		Operating Humidity	0~90%, Non-Condensing
		Dimension (W x H x D)	444 x 310 x 285 mm

• Functionality

L2	Standard Ethernet Bridging Port/Subnet/Protocol-based VLAN Spanning Tree: STP, RSTP, MSTP 802.3ad link aggregation	G-PON	G-PON OLT compliant with ITU-T G.984 Remote ONT/MDU management Automatic ONT ranging Multiple T-CONTs per MDU (ONT) Supports up to 64 (max.128) connections over a single fiber
L3	IPv4 Routing / IPv6 Routing* RIPv1/v2, OSPFv2, BGPv4 Virtual Router Redundancy Protocol (VRRP)	Clock Sync.*	BITS
Multicast	IGMPv1/v2/v3, PIM-SM/SSM IGMP Snooping Multicast VLAN Registration (MVR)	QoS	Traffic scheduling (SP, WRR, DRR) 8 Queues per port Advanced traffic management- metering, egress shaping
Management	Serial / Telnet (CLI) RMON SNMPv1/v2/v3		

* will be ready in 2011

• Sample Configuration

