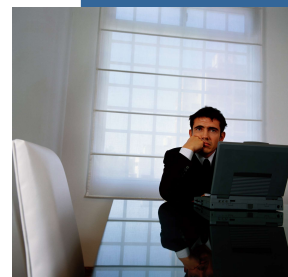




DASAN Networks V2524G

Layer 2 Gigabit Ethernet 24-port Switch with Optical PON Uplinks



V2524G is a single-board Gigabit Ethernet L2 switch comprised of 20 optical 100/1000Base-X SFP ports with combo 4 electrical/optical GE ports on the front panel, so you can select 4 service interfaces to use either copper or SFP ports that suit for your network architecture. V2524G provides 2 mounting slots for the optional uplink modular units. For the uplink interface unit, it supports 1000Base-X (SFP or GBIC), 1000Base-T, 100Base-FX, GE-PON and G-PON of 1-port modular type unit. Each uplink module can be inserted into the front 2 slots. The MGMT and console interface is also located on the front panel with embedded LED for LNK/ACT and TX/RX indication respectively. They are for use of equipment management via remote access or CLI.

V2524G can be used for various application scenarios as L2 GE switch as well as G-PON/GE-PON L2 Gigabit Optical Network Unit (ONU). As you know, FTTH services requires a very cost effective PON ONU device that is highly integrated and provides all the services need for deployment of triple-play services to the home.

It offers intelligent services in networking industries such as QoS(Quality of Service), bandwidth control, security ACL(Access Control List), multicast management, high performance of general LAN switching operation. As remarked above, it makes easy that embodies integrated applications with flexible structure, various network applications, automatically intelligent network service and rapidly adjusting to the changing business trade.



[Product Features]

Predictable Performance

V2524G delivers 52Gbps switching capacity with 38.7Mpps throughput. It supports enhanced QoS(Quality of Service) features to ensure that network traffic is optimally classified, prioritized and efficiently handled for multimedia and time-sensitive applications.

Flexible Service Scenario

V2524G can be used for various applications as Giga Ethernet Layer 2 switch as well as E-PON/G-PON ONU. The PON service consists of Optical Line Termination (OLT), ONU (Optical Network Unit) and passive optical splitter. OLT is located in the central office, and it connects ONU via optical splitter. E-PON/G-PON uplink ports of V2524G provide voice, data and video service which are distributed over proper transmission media to maximum 24 Gigabit Ethernet subscribers within the customer premises from it.

Advanced Security

V2524G supports a comprehensive set of security features for connectivity and access control, including RADIUS(Remote Authentication Dial-In User Service), TACACS+ (Terminal Access Control System), IEEE 802.1x and others. It also supports SSH(Secure Shell) protocol for secure remote network management.

Network Management

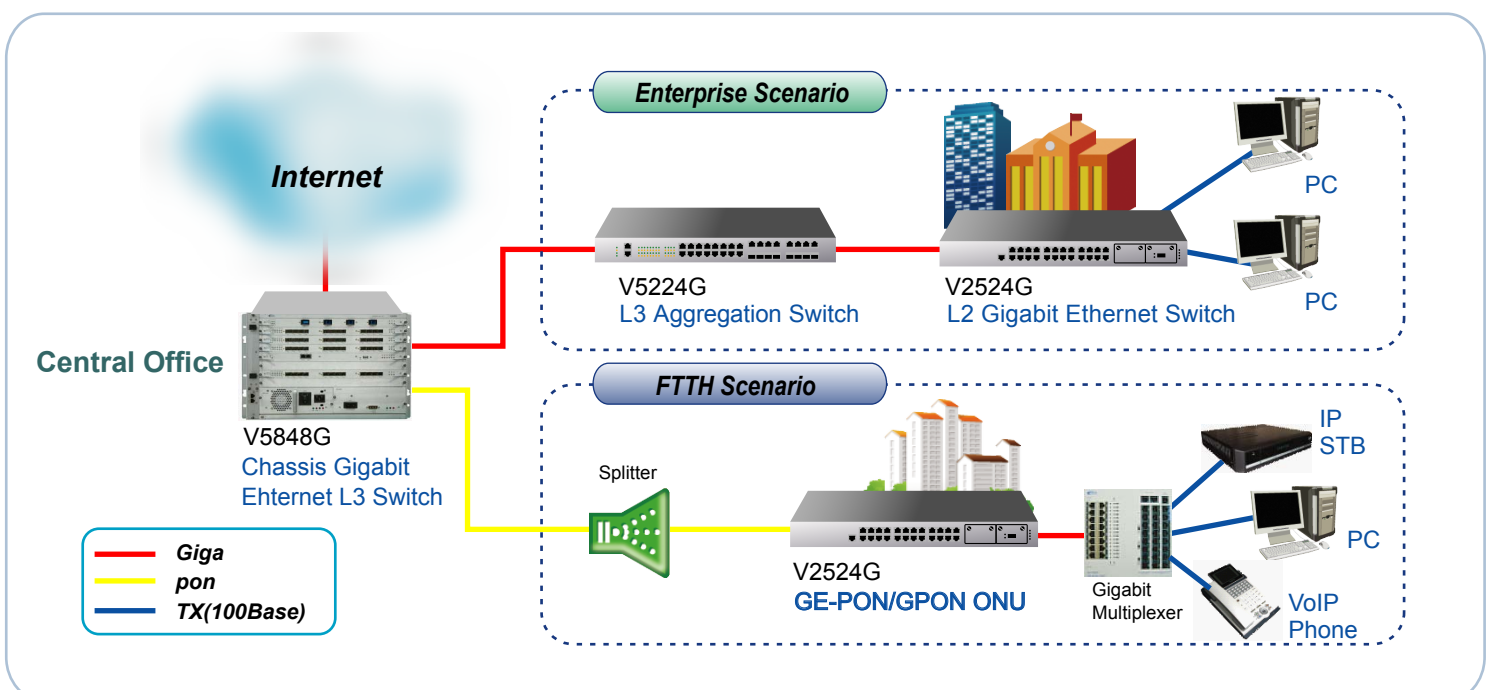
V2524G offers both a superior CLI(Command Line Interface) for detail configuration and SNMP v1/v2/v3 and MIB II support more convenient network operation. It controls configuration based on intelligent switching infrastructure, security and flexibility.

Traffic Monitoring

For enhanced traffic management, monitoring, and analysis, embedded RMON(Remote Monitoring) monitors maximum 24 ports at a time and serves high scalability. In addition to, user can use traffic analyzer that is an application to monitor network traffic for specific port.



[Sample Configuration]

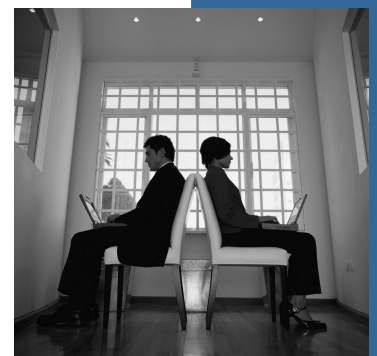
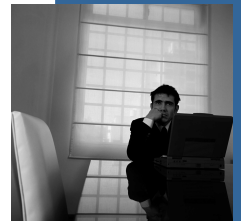


[Specifications]

Flash Memory	32MB
SDRAM	128MB
Service Interface	Fixed 20-Port 10/100Base-TX Combo type 4-Port 100/1000Base-X(SFP) or 4-Port 10/100/1000Base-T(RJ-45)
Uplink Interface	1-Port modular unit, 2 Slots <ul style="list-style-type: none"> ▶ 100/1000Base-X(SFP) ▶ 1000Base-X(GBIC) ▶ E-PON (SC/PC-type) ▶ G-PON (SC/APC-type) ▶ 10/100/1000Base-T (RJ-45)
Console Port	RS232
MGMT Port	1-Port 10/100Base-TX(RJ-45)
MAC Address	16K
VLAN	4K
Switching Capacity	52Gbps
Throughput	38.7Mpps
Input Voltage (AC)	100~240VAC, 50/60Hz, Single AC Power
Operating Temp.	-20~60°C (-4~140°F)
Storage Temp.	-40~70°C(-40~158°F)
Operating Humidity (%)	0~90, Non-Condensing
Power Consumption	36W
Dimension [W x D x H]	432mm x 308.5mm x 43mm

[Industry Standards Supported]

IEEE 802.1d Bridge	RFC 1112 IGMP v1
IEEE 802.1D STP	RFC 1157 SNMP v1
IEEE 802.1p CoS	RFC 1213 MIB II
IEEE 802.1Q VLAN	RFC 1215 Traps
IEEE 802.1s MSTP	RFC 1354 IP Forwarding Table
IEEE 802.1w RSTP	RFC 1492 TACACS+
IEEE 802.1x Port-based Authentication	RFC 1493 Bridge MIB
IEEE 802.3 CSMA/CD	RFC 1643 Ether-like MIB
IEEE 802.3u Fast Ethernet	RFC 1757 RMON
IEEE 802.3x Flow Control	RFC 1901 SNMP v2
IEEE 802.3z Gigabit Ethernet	RFC 2138 RADIUS
IEEE 802.3ad Link Aggregation	RFC 2233 Interface MIB
RFC 768 UDP	RFC 2236 IGMP v2
RFC 783 TFTP	RFC 2274 SNMP v3
RFC 791 IP	RFC 2925 Ping/Traceroute
RFC 792 ICMP	RFC 3046 DHCP Server/Relay
RFC 793 TCP	RFC 3195 Syslog
RFC 826 ARP	RFC 3376 IGMP v3
RFC 854 Telnet	RFC 2267 Network Ingress Filtering



[Functions]

Categories	Functionalities
L2 Features	Standard Ethernet Bridging 16K MAC entries IEEE 802.1Q tagged frame supporting 4K VLANs Port-based VLAN Spanning tree (STP and RSTP) 802.3ad Link aggregation based on MAC Flow Control
Multicast	IGMP Snooping v1/v2/v3 MVR IGMP Filtering and Throttling
QoS	Egress/Ingress Rate Shaping per port Scheduling (SP, WRR, DWRR) Queues per Port (4) 802.1q/802.1p priority/ToS/DSCP/DA/SA/L4 info-based QoS Mapping
Security	SSH v1/v2 RADIUS Authentication, TACACS+ Port/MAC/Ethernet type/L4-based ACL(Access Control List) Storm Control DHCP Filtering MAC Filtering
Management	Serial/Telnet (CLI) SNMPv1/v2 DHCP server, relay agent with option82 RMON Syslog Port Mirroring

[Ordering Information]

V2524G(Base)

Fixed 20-Port 10/100Base-TX, 4-Port Combo, 2 Modular Uplink Slots(2G), Single AC power, 32MB Flash, and 128MB SDRAM.

Uplink Interface Option(1-Port)

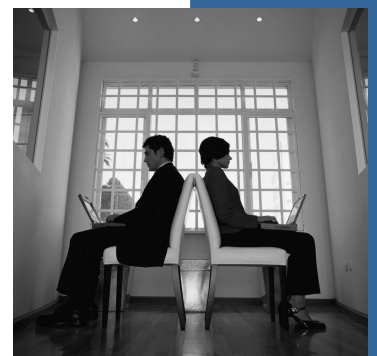
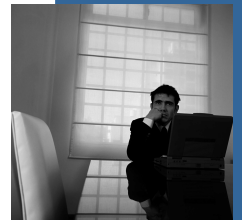
1000Base-X(SFP)
G-PON (SC/APC-type)
E-PON (20Km, SC/PC-type)
10/100/1000Base-T (RJ-45)
100Base-FX
1000Base-X(GBIC)

SFP Option

SFP-FE-MMF2
SFP-FE-SMF15
SFP-FE-SMF15 (CPE)
SFP-FE-SMF40
SFP-FE-LX40 (CPE)
SFP-GE-SX
SFP-GE-LX10
SFP-GE-LX20
SFP-GE-LX40

GBIC Option

GBIC-GE-SX
GBIC-GE-LX10
GBIC-GE-LX10 (CPE)
GBIC-GE-LX20
GBIC-GE-LX40
GBIC-GE-LX40 (CPE)



H.Q : HUMAX Village 6F, 11-4, Sunae-dong, Bundang-gu,
Seongnam-si, Gyeonggi-do 463-825 KOREA
Tel) 82-31-622-6500 / 82-70-7010-1000 Fax) 82-31-622-6501
Technology Service Center : HUMAX Village 4F, 11-4, Sunae-dong,
Bunang-gu, Seongnam-si, Gyeonggi-do 463-825 KOREA
Help Desk : 1588-7080 <http://www.dasannetworks.com>