L2 GbE Switch

Dasan Networks is a global leader in the delivery of carrier-grade network and customer access solutions that enable high-speed data, voice, video, and wireless services over existing and emerging FTTP (Fiber-to-the-Premise) networks and legacy copper networks.

The V2224G Gigabit Ethernet Switch is a 1 RU single-board Layer 2 switch that is optimized to provide operators with a cost-effective solution for expanding networks. Offering 24 10/100/1000Base-T interface ports and two mounting slots for optional uplink modules, the V2224G provides the flexibility needed for a variety of network architectures. The uplink interface supports GPON (SC/APC), EPON (SC/PC), or 1000Base-X (SFP), as a modular unit. The V2224G can also be used as a GPON Multi Dwelling Unit (MDU) by utilizing the optional uplink modules introducing a point-to-multipoint scenario for cost-effective FTTx service delivery.

Dasan's superior technology adds new features targeted to improve performance, interoperability, services, support for new applications, and a variety of deployment scenarios.

Features
• 24 10/100/1000Base-T subscriber ports

Deployment Flexibility and Reliability
• FTTx deployments for various applications with PON uplink interface
• Broadcast/Multicast/Unknown unicast storm control
• L2/L3/L4 traffic classification/priority management

Advanced Security Features
• User password protected system management
• IEEE 802.1x port-based, MAC-based security
• RADIUS authentication
• Network management via SNMP v1/v2/v3 and RMON
• Advanced QoS features (SP/WRR/DRR)

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Specifications

Flash Memory	32MB
SDRAM	256MB
Service Interface	24 10/100/1000Base-T ports (RJ45)
2 Optional Uplink Interface Slots	2 1000Base-X ports (SFP) 1 GPON port (SC/APC) 1 EPON port (SC/PC)
Console	1 Console port (RS232)
MGMT	1 10/100Base-TX port (RJ45)

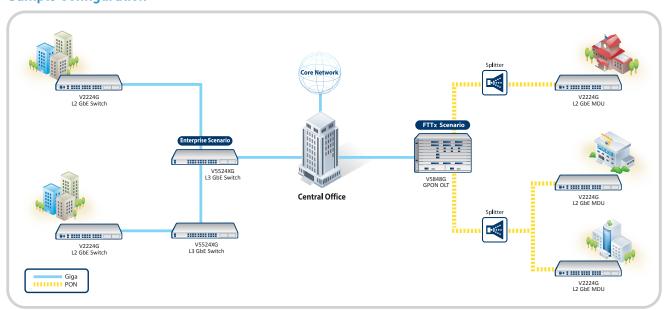|	
Fan	Modular type (on rear panel)
Power Voltage	100-240VAC, 50/60Hz
Power Switch	ON/OFF (on front panel)
Operating Temp.	-4~148°F (-20~65°C)
Storage Temp.	-40~158°F (-40~70°C)
Operating Humidity	0~90% (non-condensing)
Dimensions (W x H x D)	17.32 x 1.73 x 10.47 in (440 x 44 x 266 mm)

Capabilities

L2 Features	• Standard Ethernet bridging • Port/Subnet/Protocol based VLAN • STP/RSTP/MSTP/PVSTP/PVRSTP • 802.3ad link aggregation • Port mirroring
Management	• Serial/Telnet (CLI) • SNMPv1/v2/v3 • RMON

Security & QoS	• RADIUS, TACACS+ authentication • Ethernet type / L4-based ACL • SSHv1/v2 • 4 queues per port • Conditional rate limiting
Multicast	• IGMPv1/v2/v3 • IGMP snooping • Multicast VLAN Registration (MVR)

Ordering Information | V2224G - DPW:G-S-2224G0-01
V2224GP - DPW:G-S-2224G0-02
V2224G-OP - DPW:G-S-2224G0-03

Sample Configuration

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