



## Overview

The V2224G Gigabit Ethernet Switch is a 1 RU singleboard 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
- Up to 1.25Gbps (upstream) / 1.25Gbps (downstream) data rate via EPON uplink connection
- Broadcast/Multicast/Unknown unicast storm control
- L2/L3/L4 traffic classification/priority management
- 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)

# V2224G FTTH/E-PON MDU



## Specification

Flash Memory	32MB
SDRAM	256MB
Service Port	24 100/1000Base-X ports (SFP)
Uplink Port	1 1000Base-X port (SFP) 2 1000Base-X ports (SFP) 1 EPON port (SC/PC) 1 10GBase-R port (SFP+)
MGMT Port	1 10/100Base-TX (RJ45)
Console Port	1 Console port (RS232)
MAC Table	16K
VLAN	4K
Switching Capacity	88Gbps
Throughput	65.5Mpps
Operating Temp.	-20~60°C
Operating Humidity	5~90% (non-condensing)
Power Voltage (adapter)	100-240VAC, 50/60Hz
Dimensions (W x H x D)	440 x 44 x 266 mm

## Capabilities

Layer 2	<ul style="list-style-type: none"> <li>• Standard Ethernet bridging</li> <li>• Port/subnet/protocol based VLAN</li> <li>• 16K MAC address entries</li> <li>• 4K VLANs</li> <li>• Jumbo frame 9K</li> <li>• Spanning tree (STP/RSTP/MSTP)</li> <li>• 802.3ad link aggregation</li> <li>• Port mirroring</li> <li>• Flow control</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Rate limiting per port</li> <li>• Traffic scheduling (SP, WRR, DRR)</li> <li>• 4 queues per port</li> </ul>
EPON	<ul style="list-style-type: none"> <li>• 128-bit AES (Advanced Encryp on Standard)</li> <li>• Fully compliant with IEEE 802.3ah</li> <li>• DBA based on SLA</li> <li>• Remote ONT/ONU management</li> <li>• Automatic ONT ranging</li> </ul>
Security	<ul style="list-style-type: none"> <li>• SSHv1/v2</li> <li>• User authentication for user ID/password</li> <li>• RADIUS, TACACS+ authentication</li> <li>• Ethernet type / L4-based ACL</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMPv1/v2/v3</li> <li>• IGMP snooping</li> <li>• Multicast VLAN Registration (MVR)</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Serial/Telnet (CLI)</li> <li>• SNMPv1/v2/v3</li> <li>• RMON</li> </ul>

## Sample Configuration

