

# V2224G

Ethernet Switches/L2 Switch



## 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), 1000Base-X(SFP), and 10GBase-R (SFP+) as a modular unit. The V2224G can also be used as a PON Multi Dwelling Unit (MDU) by utilizing the optional uplink modules introducing a point-to-multipoint scenario for cost-effective FTTx service delivery.

## Features

- 88Gbps Switch Capacity
- FTTx deployments for various applications with PON uplink interface
- 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)

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[www.multicominc.com](http://www.multicominc.com)

| 800-423-2594

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## Specification

Flash Memory	32MB
SDRAM	256MB
Service Port	24 10/100/1000Base-T ports (RJ45)
2 Slots for Optional Uplink Interface	Uplink Module: 2 1000Base-X ports (SFP) 1 1000Base-X port (SFP) 1 10GBase-R port (SFP+) 1 GPON port (SC/APC)
Console	1 Port (RJ45)
MGMT	1 Port (RJ45)
FAN	Modular type (on the rear panel)
Operating Temp.	-4~148 °F (-20~65 °C)
Storage Temp.	-40~158 °F (-40~70 °C)
Humidity	0~90%(Non-Condensing)
Power Voltage	100-240VAC, 50/60Hz
Dimensions (W x H x D)	17.32 x 1.73 x 10.47 in (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>STP/RSTP/MSTP/PVSTP/PVRSTP</li> <li>802.3ad Link aggregation</li> <li>Port mirroring</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>
QoS	<ul style="list-style-type: none"> <li>Conditional rate limiting</li> <li>4 queues per port</li> </ul>
Security	<ul style="list-style-type: none"> <li>SSHv1/v2</li> <li>RADIUS, TACACS+ authentication</li> <li>Ethernet type / L4-based ACL (Access Control List)</li> </ul>

## Sample Configuration

