



DATA SHEET

EXK-V2224G-OP

Features

- 24 x 1GbE ports (based on hardware)
- Up to two 10GbE uplink connections
- 88Gbps switching capacity
- 5Mpps throughput
- Up to 1.25Gbps (upstream) / 2.5Gbps (downstream) data rate via GPON uplink connection
- No speed degradation by packet size
- L2/L3/L4 Traffic classification/Priority management
- Diverse QoS mechanisms (SP/WRR/DRR)
- Multicast Support for IP-TV : IGMP v2/v3
- IPv6 Hardware Ready Platform
- SNMPv2/v3 with RMON, Alarms
- DoS resilient platform: Broadcast/Multicast storm control
- Authentication by RADIUS, 802.1x

Overview

The EXK-V2224G-OP is a 1 RU Layer 2 Gigabit Ethernet switch providing up to 24 GbE SFP(100/1000Base-X) subscriber service ports and 2 slots for uplink modules. The uplink interface supports GPON (SC/APC), 1-Port 1000Base-X (SFP) / 10GBase-R (SFP+), and 2-Port 1000Base-X (SFP) modular type units. Each uplink module can be inserted into two front slots. The EXK-V2224G-

OP is a perfect solution for expanding networks, to allow network operators the ability to extend GbE services to small businesses and Multi-Dwelling Units (MDUs). DZS's PON technology adds new features targeted to improve performance, interoperability, services, support for new applications, and a variety of deployment scenarios.



Specifications

WEIGHT & DIMENSIONS

- 440 x 44 x 300 mm

POWER

- Single DC type : -48/60VDC
- Single AC type : 100-240VAC, 50/60Hz

INTERFACES

- Service Port: 24 100/1000Base-X ports (SFP)
- Console: 1 Console port (RS232)
- Management: 1 10/100Base-TX (RJ45)

Uplink Port:

- 1 1000Base-X port (SFP)
- 2 1000Base-X ports (SFP)
- 1 10GBase-R port (SFP+)

STANDARDS SUPPORT

Layer 2

- Standard Ethernet bridging
- Port/subnet/protocol based VLAN
- 16K MAC address entries
- 4K VLANs
- Jumbo frame 9K
- Spanning tree (STP/RSTP/MSTP)
- 802.3ad link aggregation
- Port mirroring
- Flow control

MULTICAST

- IGMPv1/v2/v3
- IGMP snooping
- Multicast VLAN Registration (MVR)

PROTOCOL SUPPORT

QOS

- Rate limiting per port
- Traffic scheduling (SP, WRR, DRR)
- 4 queues per port

SECURITY

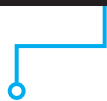
- SSHv1/v2
- User authentication for user ID/password
- RADIUS, TACACS+ authentication
- Ethernet type / L4-based ACL

OPERATING REQUIREMENTS

- Temperature: -20-60°C
- Humidity: 5 to 90% (non-condensing)

MANAGEMENT

- IGMPv1/v2/v3
- IGMP snooping
- Multicast VLAN Registration (MVR)



Ordering Information

CHASSIS OFFERINGS	
MODEL	DESCRIPTION
EXK-V2224G-OP-SDC	24X FE/GE (SFP) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN ASSY, -20-60C, SNGL DC PSU (REQ XCVRS)
EXK-V2224G-OP-DDC	24X FE/GE (SFP) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN ASSY, -20-60C, DUAL DC PSU (REQ XCVRS)
EXK-V2224G-OP-EU	24X FE/GE (SFP) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN, -20-60C, 120/240VAC EU PLG (REQ XCVRS)
EXK-V2224G-OP-NA	24X FE/GE (SFP) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN, -20-60C, 120/240VAC NA PLG (REQ XCVRS)
EXK-V2224G-OP-UK	24X FE/GE (SFP) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN, -20-60C, 120/240VAC UK PLG (REQ XCVRS)

UPLINK MODULE OPTIONS	
MODEL	DESCRIPTION
EXK-V2224G-UPMOD-1X10GE	V2224G 1X10G (10G SFP+ ONLY) UPLINK MODULE (REQ XCVR)
EXK-V2224G-UPMOD-1XGE	V2224G 1XGE UPLINK MODULE (REQ XCVR)
EXK-V2224G-UPMOD-2XFEGE	V2224G 2XFE/GE (SFP) UPLINK MODULE (REQ XCVRS)
EXK-V2224G-UPMOD-GPON	V2224G 1-PORT GPON UPLINK MODULE (SFP; NO XCVR REQD)

ACCESSORIES & SPARES	
MODEL	DESCRIPTION
EXK-V2224G-UPMOD-BLANK	V2224G UPLINK MODULE BLANK

For more information, connect with us at dasanzhone.com/contact

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