DATA SHEET

EXK-V2224G-CU L2 Ethernet Switch



Features

- 24 10/100/1000Base-T subscriber ports
- 88Gbps switching capacity
- 5Mpps throughput
- Up to 1.25Gbps (upstream) / 2.5Gbps (downstream) data rate via GPON 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)
- Flash memory 32MB
- SDRAM 256 MB

Overview

The EXK-V2224G-CU 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 EXK-V2224G-CU provides the flexibility needed for a variety of network architectures.

The uplink interface supports GPON (SC/APC), or 1000Base-X (SFP), as a modular unit. The EXK-V2224G-CU 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.

DZS' superior 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 266 mm

POWER

- Adapter 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 GPON port (SC/PC)
- 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)
- 3ad link aggregation
- Port mirroring
- Flow control

Layer 3

- IPv4 routing
- RIPv1/v2, OSPFv2, BGPv4
- Virtual Router Redundancy Protocol (VRRP)

Mulitcast

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

GPON

- 128-bit AES (Advanced Encrypt on Standard)
- Fully compliant with IEEE 802.3ah
- DBA based on SLA
- Remote ONT/ONU management
- Automatic ONT ranging

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-CU-DDC	24X 10/100/1000 (RJ45) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN ASSY, -20-60C, DUAL DC PSU
EXK-V2224G-CU-NA	24X 10/100/1000 (RJ45) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN ASSY, -20-60C, 120/240VAC NA PLG
EXK-V2224G-CU-EU	4X 10/100/1000 (RJ45) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN ASSY, -20-60C, 120/240VAC EU PLG
EXK-V2224G-CU-UK	24X 10/100/1000 (RJ45) 1U L2 SWITCH, (2) UPMOD SLOTS+BLNKS, (1) FAN ASSY, -20-60C, 120/240VAC UK PLG

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 (SFF; NO XCVR REQD)

ACCESSORIES & SPARES	
MODEL	DESCRIPTION
EXK-V2224G-UPMOD-BLANK	V2224G UPLINK MODULE BLANK
EXK-V2224G-CU-FAN-ASSEMBLY	V2224G-CU FAN ASSY

MHz MEGA HERTZ

Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com
https://www.go2mhz.com/product/v2224g-cu-l2-ethernet-switch/

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