



DATA SHEET

EXK-V6848XG L2/L3 Aggregation Switch



Features

- 960Gbps switching capacity
- 714Mpps throughput
- End-to-end 10GbE data center solution
- Support Dual power supplies for Redundancy
- Ultra low latency
- High density 48-port 10GbE switch
- Management via SNMPv1/v2/v3 and RMON
- User password protected system management
- Data secured through SSH
- Enhanced security through RADIUS and TACACS+
- Remote network management
- User-friendly CLI via console or telnet
- L2/L3/L4 H/W based ACL
- Flash memory 8MB+64MB
- SDRAM 2G DDR3

Overview

The DZS EXK-V6848XG 10GbE switch is designed to handle demanding high bandwidth data center network requirements with low latency. This combination of speed and throughput significantly improves server utilization and power efficiency making the EXK-V6848XG ideal for data centers. The EXK-V6848XG offers 48 10 Gigabit Ethernet ports (SFP+ /SFP). All 10GbE ports allow maximum flexibility with high-bandwidth switching,

filtering, and traffic management without delaying data; large data center grade buffers keep traffic moving. The EXK-V6848XG supports AC or DC Dual PSU (Power Supply Unit) modules and Dual FAN modules, making the EXK-V6848XG a powerful, reliable and flexible system.



Specifications

WEIGHT & DIMENSIONS

- 17.3 x 1.73 x 17.1 in
- (440 x 44 x 418 mm)

POWER

- AC : 100~240VAC (50/60Hz)
- DC : -20~-60VDC
- Consumption: 177W

INTERFACES

- Service Port: 48 Port 10GbE (SFP+) or 1G(SFP)
- Console: 1 Port (RJ45 to RS232)
- Management: 1 Port 10/100/1000Base-T

STANDARDS SUPPORT

Layer 2

- Standard Ethernet Bridging
- Port/Subnet/Protocol-based VLAN
- Spanning tree (STP/ RSTP/ MSTP)
- 3ad link aggregation
- Port Mirroring
- sFLOW / Netflow
- DHCP Server/Relay/Option82
- Link Debounce

Layer 3

- ECMP
- OSPF, BGP, VRRP
- BFD Static/Dynamic (OSPF-single, BGP single, Multi)
- VRF

MULTICAST

- IGMPv1/v2/v3, PIM-SM/SSM
- IGMP snooping

Multicast VLAN Registration (MVR)

PROTOCOL SUPPORT

QOS

- 8 queues per port
- DRR/WRR/SP
- 1p/DSCP
- Shaping at Egress
- Remarking

OPERATING REQUIREMENTS

- Operating Temp: 32~122°F (0~50°C)
- Storage Temp: -40~158°F (-40~70°C)
- Humidity: 5 to 95% (non-condensing)

MANAGEMENT

- NMP/Telnet/TFTP/SSH/SFTP
- Syslog volatile, nonvolatile, remote
- RMON



Ordering Information

CHASSIS OFFERINGS	
MODEL	DESCRIPTION
EXK-V6848XG-NA	48X10G (SFP/SFP+) 1U L2 SWITCH, (1) 120/240VAC PSU, (2) FANS (REDUNDANT), 0-50C, NA PLG (REQ XCVRS)
EXK-V6848XG-EU	48X10G (SFP/SFP+) 1U L2 SWITCH, (1) 120/240VAC PSU, (2) FANS (REDUNDANT), 0-50C, EU PLG (REQ XCVRS)
EXK-V6848XG-UK	48X10G (SFP/SFP+) 1U L2 SWITCH, (1) 120/240VAC PSU, (2) FANS (REDUNDANT), 0-50C, UK PLG (REQ XCVRS)
EXK-V6848XG-DC	48X10G (SFP/SFP+) 1U L2 SWITCH, (1) 48VDC PSU, (2) FANS (REDUNDANT), 0-50C (REQ XCVRS)

POWER SUPPLY REDUNDANCY OPTIONS	
MODEL	DESCRIPTION
EXK-V6848XG-PSUMOD-AC-EU	V6848XG PSU MODULE, 100-240VAC W/EU PLUG
EXK-V6848XG-PSUMOD-AC-NA	V6848XG PSU MODULE, 100-240VAC W/NA PLUG
EXK-V6848XG-PSUMOD-AC-UK	V6848XG PSU MODULE, 100-240VAC W/UK PLUG
EXK-V6848XG-PSUMOD-DC	V6848XG PSU MODULE, 48VDC

ACCESSORIES & SPARES	
MODEL	DESCRIPTION
EXK-V6848XG-FAN-ASSEMBLY	V6848XG FAN TRAY ASSEMBLY
EXK-V6848XG-PSUMOD-BLANK	V6848XG PSU BLANK

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

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