

## DATA SHEET

## EXK-V5648G L2/L3 Switch



## Features

- Enterprise-class standalone switch with 1U form
- 176Gbps switching capacity
- 48 port 10/100/1000 Base-T (RJ-45)
- 4 port 10GBase-R (SFP+)
- Dual pluggable AC or DC power supply module
- Advanced QoS
- Hot swappable fAN
- 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

## Overview

The DZS EXK-V5648G is an enterprise-class standalone switch with a 1U form factor that is optimal for data center, campus and branch office environments.

This switch offers 48 Gigabit Ethernet ports and provides high-bandwidth low-latency switching, filtering, and traffic management.

The EXK-V5648G supports LLDP (Link Layer Discovery Protocol) which enables troubleshooting and enhanced network management over multi-vendor environments. Additionally, this high-performance switch also supports LLDP-MED and DHCP snooping for expanded network security.

The EXK-V5648G is equipped with dual PSU slots that can be equipped with redundant modular AC or DC power supply units (PSUs) for enhanced reliability and resiliency.



## Specifications

**WEIGHT & DIMENSIONS**

- 17.3" x 1.7" x 11.0" (440 x 44 x 280 mm)

**POWER**

- AC : 100~240VAC (50/60Hz)
- DC : -20~-60VDC
- Max Power Consumption: 90 W

**INTERFACES**

- Service Port: 48 Port 10/100/1000 Base-T(RJ-45)
- Network Port: 4 Port 100/1000M Base-X, 10GBase-R (SFP/SFP+)
- Console Port: 1 Port (RJ-45)
- Management Port: 1 Port 10/100/1000Base-T (RJ-45)

**STANDARDS SUPPORT**

- Layer 2
  - VLAN : 4K
  - Link aggregation: Static, LACP
  - Spanning Tree Protocol: MSTP, PVRSTP
  - Port mirroring
  - Stormcontrol
  - Flow control
  - Jumbo frame: 9K
  - GARP/GVRP
  - EFM-OAM
- L3 Function
  - IPv6 support
  - 24k entries for IPv4
  - ECMP

- RIP, OSPF, BGP, VRRP • VRF
- BFD
- Multicast
  - IGMP Snooping v2/v3
  - IGMP proxy
  - PIM-SM, PIM-SSM
- QoS
  - Smart buffer
  - Support 8 queue per port
  - 802.1p & DSCP remarking
  - SP, WDRR queuing
  - ACL rule
- Security
  - 802.1x
  - RADIUS/TACACS+
  - Martian filter
  - DAI (Dynamic ARP Inspection)

**MANAGEMENT**

## Interfaces

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

**OPERATING REQUIREMENTS**

- Operating Temp: -4~140°F (-20~60°C)
- Storage Temp: -40~176°F (-40~80°C)
- Humidity: 0 to 90% (non-condensing)



## Ordering Information

CHASSIS OFFERINGS	
MODEL	DESCRIPTION
EXK-V5648G-SAC-NA	4X10G FIXED (SFP/SFP+), 1U L2/3 SWITCH, 48-FE/GE (RJ45), FANS, -20- 60C, 1-AC PSU NA (REQ XCVRS)
EXK-V5648G-SAC-EU	4X10G FIXED (SFP/SFP+), 1U L2/3 SWITCH, 48-FE/GE (RJ45), FANS, -20- 60C, 1-AC PSU EU (REQ XCVRS)
EXK-V5648G-SAC-UK	4X10G FIXED (SFP/SFP+), 1U L2/3 SWITCH, 48-FE/GE (RJ45), FANS, -20- 60C, 1-AC PSU UK (REQ XCVRS)
EXK-V5648G-SDC	4X10G FIXED (SFP/SFP+), 1U L2/3 SWITCH, 48-FE/GE (RJ45), FANS, -20-60C, 1-DC PSU (REQ XCVRS)
POWER SUPPLY REDUNDANCY OPTIONS	
MODEL	DESCRIPTION
EXK-V5648G-PSUMOD-AC-EU	V5648G PSU MODULE, 100-240VAC W/EU PLUG
EXK-V5648G-PSUMOD-AC-NA	V5648G PSU MODULE, 100-240VAC W/NA PLUG
EXK-V5648G-PSUMOD-AC-UK	V5648G PSU MODULE, 100-240VAC W/UK PLUG
EXK-V5648G-PSUMOD-DC	V5648G PSU MODULE, 48VDC
ACCESSORIES & SPARES	
MODEL	DESCRIPTION
EXK-V5648G	4X10G FIXED (SFP/SFP+), 1U L2/3 SWITCH, 48-FE/GE (RJ45), NO FANS, -20-60C, NO PSUS (REQ XCVRS)
EXK-V5648G-FAN-ASSEMBLY	V5648G FAN ASSY
EXK-V5648G-PSUMOD-BLANK	V5648G PSU MODULE BLANK

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