V6848XG Ethernet Switches/L3 Switch

Overview

DASAN Networks' V6848XG is 10GbE switch specifically designed to handle demanding network requirements for the data center with low latency. It enables 10GbE to be deployed in the data center, which can significantly improve server utilization and consequently data center power efficiency.

The V6848XG offers 48 10 Gigabit Ethernet ports (SFP+ /SFP). All 10GbE ports allow the maximum flexibility. This switch provides high-bandwidth switching, filtering, and traffic management without delaying data, and large data center grade buffers to keep traffic moving.

The V6848XG will support Dual PSU(Power Supply Unit) module for non-stop power assurance for your network, and Dual FAN module for cooling system to make your system work with excellent performance.

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

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Specification

Flash Memory	8MB+64MB
SDRAM	2G DDR3
Service Port	48 Port 10GbE (SFP+) or 1G(SFP)
Console	1 Port (RJ45 to RS232)
MGMT	1 Port 10/100/1000Base-T
Operating Temp.	32~122°F (0~50°C)
Storage Temp.	-40~158°F (-40~70°C)
Humidity	5~95% (Non-condensing)
Power Voltage	AC : 100~240VAC (50/60Hz) DC : -20~-60VDC
Dimensions (W x H x D)	17.3 x 1.73 x 17.1 in (440 × 44 x 418 mm)
Power consumption	Max. 177W

Capabilities

Layer 2	• Standard Ethernet Bridging • Port/Subnet/Protocol-based VLAN • Spanning tree (STP/ RSTP/ MSTP) • 802.3ad link aggregation • Port Mirroring • sFLOW / Netflow • DHCP Server/Relay/Option82 • Link Debounce
Layer 3	• ECMP • OSPF, BGP, VRRP • BFD Static/Dynamic(OSPF-single, BGP sinlge, Multi) • VRF
Multicast	• IGMPv1/v2/v3, PIM-SM/SSM • IGMP snooping • Multicast VLAN Registration (MVR)
Management	• SNMP/Telnet/TFTP/SSH/SFTP • Syslog volatile, nonvolatile, remote • RMON
QoS	• 8 queues per port • DRR/WRR/SP • 802.1p/DSCP • Shaping at Egress • Remarking

Sample Configuration