



Overview

DAYOU NETWORKS DSW2748G is L2 Gigabit Ethernet Switch as a high-end interface to support a variety of multimedia services (IPTV TPS).

L2 switch has been developed to fit the needs of customers who wants to build a high-speed network environment, as the cost of the optimal 48port 10/100/1000Base-T interface, and to provide the service port, 100/1000Base-X interface and four uplink ports L2 aggregation switches to provide. Multicasting, QoS, Security, etc. Based on the outstanding performance is a system that provides a high-performance, high-quality, reliability.



DSW2748G

Network systems management

SNMP v1/v2, MIB II, RMON MIB, and applied to the remote network management can be more easily.

Improved performance

Non-blocking Switching fabric for high-performance stable and 104Gbps switching capacity and up to speed packet processing 77.4Mpps support.

High Performance Network

DSW2748G as a high-performance network services supported by the Switch's Ethernet-based data, video, and voice services for optimal network environment.

Key Features

L2 Features

- Port-based VLAN, IEEE 802.1q Tagged VLAN
- VLAN Trunk
- VLAN stacking (Q-in-Q). VLAN Translation
- 802.1p packet priority
- Spanning Tree Protocol(STP/RSTP/MSTP)
- 802.3ad Link Aggregation Control Protocol
- Static Trunk group
- Jumbo frame 9KB
- Self loop detection

Multicast

- IGMP v1/v2
- IGMP snooping/IGMP static join/IGMP Join Limit
- Multicast Packet Filtering

QoS

- Classification
L2 : SRC/DST MAC, Ether type, 802.1p priority, VLAN ID
L3 : SRC/DST IP, ToS, DSCP, IP Precedence
L4 : SRC/DST TCP/UDP port, ICMP
- Mark/remark/policing
- Queue scheduling (SPQ, WRR, DRR)
- 8 queues per port
- Congestion management (RED)
- Traffic policing and shaping
- Rate limiting
- Traffic Control

Security

- MAC flood Guard/Port Flood Guard
- MAC Filtering/MAC limit
- Storm control (broadcast, multicast, DLF)
- CPU Protection (ACL, Rate Limit)
- DoS Protection
- NetBIOS, NetBEUI, NBT, CIFS, SSDP, WSDD filtering
- ARP/DHCP snooping , ARP Inspection
- 801.x Port-Based Authentication
- Port isolation

Management

- CLI(serial / Telnet)
- Dual OS (active/backup) & Fail Over
- Remote OS upgrade (FTP/ TFTP)
- Multiple configuration files
- Remote configuration upgrade (FTP/TFTP)
- Port/Protocol mirroring
- SNMP v1/v2
- RMON history
- Syslog
- Telnet/SSH
- DHCP server, relay agent with option82
- DDM (Digital Diagnostics Monitoring)
- LLDP (Link layer Discovery Protocol)
- AAA (Authentication, Authorization, and Accounting)
- NTP
- TCP dump & logging

DAYOU NETWORKS SWITCH SERIES

Specifications

Memory

- RAM 128Mbyte
- FLASH 128Mbyte

Performance

- 104Gbps Switching fabric, 77.4Mpps Throughput
- 16K MAC address, 4K 802.1Q VLAN
- 4K Active VALN
- 1K Multicast group entry

Interface

- Downlink 48 ports 10/100/1000Base-T
- Uplink 4ports 100Base-Fx/1000Base-X(SFP)
- Console RS-232C, RJ-45

Power

- Operating Power AC88 ~ 264 VAC / 47~63Hz Free Voltage
- Power Consumption 60Watts
- Operating Temperature -20℃ ~60℃ (-4 ℉ ~ 140 ℉)
- Operating Humidity 10 ~ 90%(Non-condensing)

Dimensions

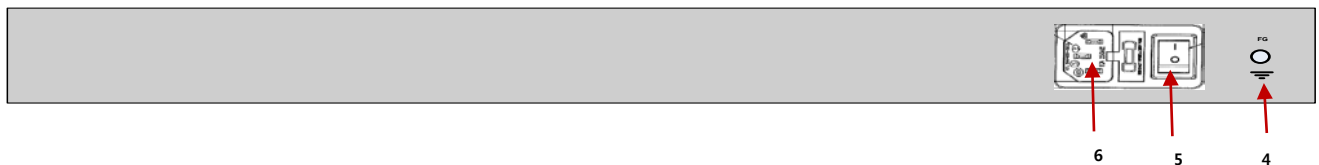
- Dimension(W/H/D) 440mm x 45mm x 300mm
- Weight 4Kg

Warranty

- One-year(12month) return to factory parts



REAR



1. RJ45 port of Console
2. 10/100/1000Base-T
3. 100/1000Base-X

- 4 : Earth Terminal
- 5 : Power Switch
- 6 : Electrical Power Input : AC Power 110 VAC ~ 220VAC Free Voltage

Ordering Information

Contact Information

Website: <http://www.dayounetworks.com>
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