

IES2508

6 GTX + 2 GC Ethernet Switch

Features

1. 6 10/100/1000M Fast Ethernet ports, 2×1000M TX/SFP combo ports,
2. 24 Gbps switch fabric
3. Powerful ACL supports L2-L7 data filtering
4. VLAN to isolate users for performance & security
5. Management via CONSOLE port, Web, SNMP, Telnet, etc
6. BootRom and other software upgrade through TFTP/Z-MODEM



Introduction

3onedata IES2508 is a standard L2 switch, which is capable of high performance and gigabit speed packet forwarding. This switch has 6 RJ45 10/100/1000M TX ports, plus 2 TX/SFP combo. Due to its high

performance and low cost, 3onedata IES2508 switch is considered a very competitive Ethernet switching solution for community networking and workgroup networking in enterprise networks.

Features

Excellent performance

1. 24 Gbps switch fabric
2. Giga optical fiber supports up to 80 km long-distance transfer, direct connection to MAN backbone networks

Flexibility

1. 2-port TX/SFP combo

Security and reliability

1. Support port mirroring
2. VLAN to isolate users for performance & security
3. QinQ supported
4. 802.1x supported

Easy maintenance

1. Management via CONSOLE port, Web, SNMP, etc.
2. BootRom and other software upgrade through TFTP/Z-MODEM
3. Support SFP standard interface, protect your investment

Powerful traffic and broadcast management

1. Port trunks technology can make a loading balancing links. Each link can reach 24G bandwidth, support up to 8 links.
2. Effectively control multicast and broadcast storm

Specification

Interface

Port: 6 10/100/1000M TX, 2 SFP/TX Combo Ports
 Console Port :RS-232(RJ45 connector)

Switch Properties

Support standard: IEEE 802.1d Spanning Tree Protocol

- IEEE 802.1p Class of Service
- IEEE 802.1q tagged VLAN
- IEEE 802.3x Flow control
- IEEE 802.3z asymmetric flow control
- IEEE 802.3ad Link aggregation

Network management standard: RFC 1157 SNMP v1/v2

Switch Fabric: 24G

Forwarding Mode: Store-and-forward

MAC Address Table Size: 8K

EPROM:512K Bytes

Flash Memory: 4M Bytes

SDRAM: 32Mbytes,expandable to 64Mbytes

Technology

Spanning Tree: IEEE 802.1D STP, IEEE 802.1w RSTP

VLAN: Port-based VLAN, 802.1Q tag VLAN, Private VLAN, GVRP dynamic VLAN configuration, QinQ

Traffic Control: Back pressure at half-duplex, 802.3x at full-duplex, CAR support, 64K step size for 100M ports, 8 M step size for Gigabit ports

Storm Control: Stop sending at threshold to restrict broadcast/multicast



Multicast Control: IGMP snooping

Port Trunking: Up to 6 groups with up to 8 ports per group, dynamic LACP or static aggregation

Port Mirroring: Supported. Can be based on flow classification

Security: IEEE 802.1x port-based user authentication
Remote authentication through RADIUS, TACACS+
User privilege classification and password protection

QoS: Head Of Line (HOL) blocking prevention mechanism
4 dispatching queues per port, mapping the 8 priority queues in 802.1p
Strict Priority
Weighted Round Robin

Network Management: SNMP v1/v2
RMON (Group 1, 2, 3, 9)
Telnet
Command Line Interface (CLI)

Web interface

Support network management tools suite:
Broad Director
NTP

Software Upgrade: TFTP/FTP

Configuration Upload/download: TFTP/FTP

Working Environment, Power

Temperature: Operating: 0 ~ 50°C, non-operating: -40 ~ 70°C

Humidity: 0 ~ 90% (no condensing)

Power Consumption: Up to 17.8W

Power Input: AC 100 ~ 240 V, 47 ~ 63 Hz, 1A/230V

Warranty: 5 years

Approvals: FCC, CE, RoHS approvals