

8 PORT MANAGED FAST ETHERNET SWITCH

Model: TSW 1008



INTRODUCTION

Telenet's managed switch is the latest generation of fast Ethernet switching technology. Enhanced by its many, features including port Trucking, VLAN tagging, spanning tree, and broadcast storm filters. Eight 10/100Base-TX auto sensing, auto MDI/MDIX ports provide a completely flexible high-performance non-blocking full wire speed. Solution. The management features include port-based, dynamic and static VLAN, s, GVRP, VLAN tagging, IGMP snooping, port mirroring and port security. Two priority queues per port insure minimum delay for voice over IP or multimedia broadcasting

Network management can be accessed via Telenet from anywhere on the network or via a console port at the switch. Power: 110/220V AC. The 10/100Mbps ports supporting auto-sensing and auto-negotiation of network speeds and full/half duplex. These ports can connect to workstations and print servers, giving each a dedicated bandwidth. All ports support auto MDI-II/MDI-X uplink, allowing you to connect to workstations, servers, or other switches from any port without the need to change your usual straight-through to twisted-pair cables. Flow Control to Prevent Packet loss The switch supports standard IEEE 802.3x Flow Control. Working in conjunction with buffer overrun auto detection. This full-duplex data transfer mode provides protection against possible data loss for 802.3x supported servers directly connected to the switch. The advanced features, 802.1p, Diffuser, 802.1x*, IGMP, and 802.1q, facilitate the deployment of applications across an enterprise such as: VOIP, streaming media, and multicast content delivery (IP video conferencing, software deployment).

TECHNICAL SPECIFICATIONS

Physical interface - 10/100 base T (IEEE 802.3) RJ45

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MANAGEMENT

Telnet (RFC 854)/CLI base management
SNMP v1 supported

IETF/IEEE STANDERD SUPPORT

- Telnet (RFC 854)
- SNMP v1 (REF 1157)
- MIB II (REF 121.3), support for systems and interface group
- IEEE.802.3 CSMA/CD network
- IEEE 802.3u 100base TX
- IEEE 802.3x full duplex and flow control in CDMA/CD handiworks
- IEEE 802.1Q virtual bridge area network (please note no support for spanning tree and RST)
- IEEE 802.1P class of service
- IETF: RFC 1155 SMI
- DHCP client (RFC 2131)
- IEEE 802.1x authentication

BANDWIDTH MANAGEMENT

- Bandwidth control – between 128k to 8M in multiples of 2
- Port privacy – individual port can be isolated from the remaining ports. per port VLAN between the uplink port and any of the switches' ports.
- QoS and priority queuing – 4 levels of priority with configurable WRR or strict priority queuing. Priority queuing based on the differentiated services code point (DSCP) [RFC 2474] or 802.1p priority bits.

SWITCH FEATURE

- MAC table size -1024 entries in the MAC table
- Forwarding mechanism – store and forward
- Switch fabric -3.2gbps, supporting wire forwarding when all the ports are running at full speed.
- VLAN groups – up to 64 different VLAN IDs simultaneously can be processed.
- Support port mirroring / port security
- Auto MDI-MDIX
- Light console management

PHYSICAL AND ENVIRONMENTAL

- Dimensions and weight 105mm x 165mm x 35mm
- Temperature 5 to 40 C
- Storage 0 Degrees to 85 Degrees C
- Humidity 20% to 90%

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