Datasheet_GSW-2491TXM

24 Fast/1 slide-in slot L2 SNMP Switch

LevelOne's GSW-249TXM is an affordable, virtual stackable, managed SNMP switch with 24-port 10/100 Mbps and a slide-in slot for optional copper Gigabit module or mini GBIC module. With the module options, they resolve the server's bottlenecks, extend the backbone of network, and combine copper/fiber network in one LAN. The embedded SNMP functions provide customers the capability to easy manage and configure the whole network transaction through the web-based interface. This economically flexible SNMP switch allows users to use a single-IP to manage 8 units of GSW-249TXM and build central management in one screen for MIS manager. Besides, the VLAN features can setup several privacy data transfer channels for the most completed security solutions.

Key Features

- Single-IP management for a virtual stack Cup to 8 units
- 24-port 10/100 Mbps plus one slide-in slot L2 SNMP switch
- 8.8 Gbps back-plane bandwidth
- Port mirror/ Port bandwidth control/Port based VLAN

- Broadcast storm filter/802.1x user authentication
- Modules: 1000T copper module and mini GBIC module
- 802.1d spanning tree/802.1p class of service
- IGMP/GVRP/DHCP client
- 802.3ad port trunk w/LACP
- 802.3x Flow Control/back-pressure flow control

Hardware Specification

- Standard
    - IEEE 802.3 10BASE-T
    - IEEE 802.3u 100 BASE-TX/FX
    - IEEE 802.3ab 1000 BASE-T
    - IEEE 802.3x Flow Control and Back pressure
    - IEEE 802.3ad Port trunk with LACP
    - IEEE 802.1d Spanning tree protocol
    - IEEE 802.1p Class of service
    - IEEE 802.3Q VLAN Tagging
- Connecter
    - 10/100 TX: RJ-45
- Switch Architecture
    - Store-and-Forward switch architecture. Back-plan up to 8.8 Gbps
- MAC Address
    - 6K MAC address table with Auto learning function

- Memory
    - 3Mbits for packet buffer
- Flash ROM
    - 512Bytes
- System Memory
    - 4Mbytes
- LEDs
    - System Power
    - 10/100 TX RJ-45 Port: 100Mbps, Link/Active,
- Power
    - 100~240VAC 50/60Hz
- Dimension
    - 440mm(W)*225mm(D)*44.5mm(H)
- EMI and Safety
    - FCC Class A, CE & UL

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Software Features

- Management:
  - Telnet, web management, Out Band local console (RS-232)
- RFC Standard:
  - RFC 1157 SNMP, RFC 1213 MIB II, RFC 1643 Ethernet like, RFC 1493 Bridge MIB, RFC 1757 RMON 1, RFC 1215 Trap, RFC 2674 VLAN MIB, private MIB
- SNMP Trap:
  - Cold/Warm start, link down/up authorization fail, Trap station up to 3
- Software Upgrade:
  - TFTP and Console firmware upgradeable
- Port Trunk
  - Support IEEE802.1ad with LACP function and provide 7 trunk groups of 4 member ports within 26 ports.
- Spanning Tree
  - Support IEEE802.1d spanning Tree
- VLAN
  - Port based VLAN
  - IEEE802.1Q Tag VLAN
  - IEEE802.1v Protocol VLAN (IP, IPX)
  - Static VLAN groups up to 256,
  - Dynamic VLAN group up to 2048, VLAN ID from 0 to 4094.
- QOS policy
  - Supports 8 priority levels ID for 2 priority queue
- Class of Service
  - Per port 2 queues, High/ low queue.
  - Service rule: first-come-first-service; all High before Low, WRR for High or low weight.

- Port-based Priority
  - Support Disable/Low/High priority
- IGMP
  - IGMP Snooping for Multi-Media application,
  - IGMP group supports 256 groups
- Port Security
  - MAC address filter for ingress and egress packet.
  - Static MAC address lock for source address.
- Port Mirror
  - 3 mirroring types: "RX, TX and Both packet", The maximum of port mirror entries is up to 25.
- Stacking
  - Up to 8 units and managed via single IP address.
  - Switch stack via any switch port or uplink module and can management slave switch through any link partner.
- 802.1x Authentication
  - Support IEEE802.1x User-Authentication and can report to RADIUS server. Reject/ Accept/ Authorize/ Disable
- DHCP
  - DHCP Client
- Packet Filter
  - Broadcast storm

Ordering Information

- GSW-2491TXM: 24 Fast/one slide-in slot SNMP Switch
- MDU-0140: 2-port 1000T copper module
- MDU-0142: 2-port mini GBIC module
- GVT-0300: SFP Transceiver for mini GBIC module (550m)
- GVT-0301: SFP Transceiver for mini GBIC module (10km)
- GVT-0302: SFP Transceiver for mini GBIC module (70km)

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