



## 4-slot Modularized L2 SNMP Combo Switch

**LevelOne's** GSW-2493 is a modularized managed switch that provides the ultimate reliable and flexible solution for large workgroups or backbones. This device can stack with GSW-2491TXM switches to become a virtual stacking group. Up to 8 units can be stacked while managing this group via a single IP address to centralize your management interface.

With its modularized design, the GSW-2493 is able to integrate different network scales. We offer outstanding flexibility by providing different modules, 8-port 10/100TX and 8-port 100FX for 3 slots and 2-port 1000T & 2-port mini GBIC for 1 slot, to interoperate with your copper or fiber network and also to provide non-blocking, wire-speed switching performance. Seven trunk groups of 4 member ports eliminate network bottlenecks from increased bandwidth. You can partition the network into 256 VLANs using 802.1Q Tagging technology. The Class of Service (CoS) allows you to prioritize traffic for time-sensitive applications.

The GSW-2493 supports a variety of network management features including: Console, CLI, Telnet, Web, SNMP v1/v3, RMON, TFTP, Port Mirroring and DHCP as well as advanced traffic management options including: 802.1x User-Authentication, Bandwidth control and IGMP v1/v2 Snooping. In order to increase the network reliability, LevelOne's GSW-2493 switch also supports 802.1d Spanning Tree protocol.

With its 1U height rack-mountable size, the switch can be easily managed in computer labs or server rooms. The clearly visible status LEDs provide easy monitoring of port link activity, speed, so that you are never in the dark when it comes to the status of your data transmissions.



**GSW-2493**

### Key Features

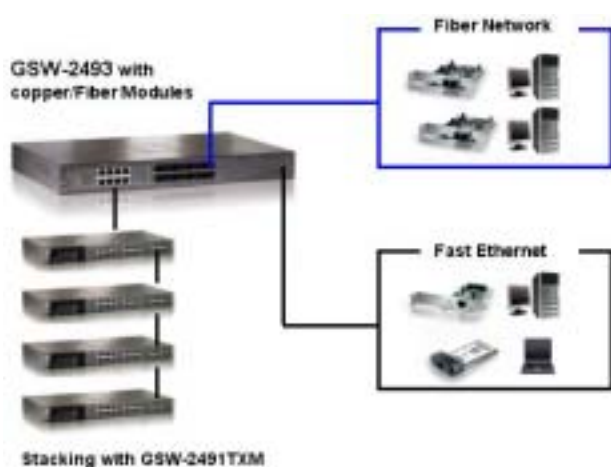
- 3 slots for 8 ports 10/100TX, 8 ports 100FX modules
- 1 slot for 2 ports 1000T copper or 2 ports mini GBIC module
- Complies with IEEE802.3, 802.3u, 802.3ab, 802.3z
- High back-plane bandwidth 8.8Gbps
- Virtual stack management via IP address, allow to stack with GSW-2491TXM
- Supports port based VLAN and 802.1Q VLAN
- 802.1d Spanning Tree for redundant backup bridge paths
- IGMP support for Multi Media application
- IEEE 802.1p Class of Service
- SNMP management/ MIB support
- Supports 802.3ad port trunk with LACP
- Supports SNMP v.1, v.3 network management, 4 groups of RMON
- Web-based management Interface



## Technical Specification

- **Standards Compliance**  
IEEE 802.3/ IEEE 802.3u  
IEEE 802.3z Gigabit SX/LX  
IEEE 802.3ab Gigabit 1000T  
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 802.1Q VLAN Tagging
- **Expansion Modules**  
MDU-2493TX: 8-port 10/100TX  
MDU-2493SXSC: 8-port 100FX (Multi/Single Mode)
- **Back Plane**  
8.8 Gbps
- **MAC Address Table**  
8K entries with Auto learning function
- **Memory**  
Packet Buffer: 3MB  
Flash ROM: 512Kbytes x 1  
System Memory: 8Mbytes
- **VLAN**  
IEEE 802.1Q Tag VLAN  
Port-based VLAN  
Static VLAN groups up to 256  
Dynamic VLAN group up to 2048  
GARP/GVRP
- **Port Trunk**  
Support 802.3ad with LACP  
7 trunk groups of 4 member ports within 26 ports
- **Port Security**  
MAC address filter for ingress and egress packet  
Static MAC address lock for source address
- **Spanning Tree**  
802.1d Spanning Tree Protocol
- **Stacking**  
Up to 8 units and managed via IP address
- **IEEE 802.1 Authentication**  
Reject/ Accept/ Authorize/ Disable
- **QoS Policy**  
8 priority levels ID for 2 queue
- **Class of Service**  
Per port 2 queues, High/ low queue  
Service rule: first come first service
- **Management**  
Telnet management  
Web management  
Out band local Console Port: DB-9 RS-232 DCE
- **Software Upgrade**  
TFTP/ Console firmware upgradeable
- **LEDs**  
Per Device: Power  
MDU-2493C: 8x Link/Activity (Green), 8x Full duplex (Green)  
MDU-2493SXSC: 8x Link (Green), 8x Activity (Green, Blinking)
- **Power Input**  
100~240VAC, 50/60Hz, 0.8A (maximum)
- **Power Consumption**  
60 Watts (max)
- **Ventilation**  
2 x DC cooling fans with auto detect function
- **Temperature**  
Operating: -10 ~60  
Storage: -40 ~70
- **Humidity**  
Operating: 0% ~ 95%
- **Dimension**  
440mm(W) \* 280mm(D) \* 44mm(H)
- **EMI and Safety**  
FCC Class A, CE

## Product Diagram



## Ordering Information

- GSW-2493: 4-slot modularised L2 SNMP Combo Switch
- MDU-2493SXSC: 8-port 100FX (SC) module for GSW-2493
- MDU-2493TX: 8-port 100TX module for GSW-2493
- MDU-0140: 2-port 1000T copper module
- MDU-0142: 2-port mini GBIC module
- GVT-0300: SFP Transceiver for mini GBIC (550m)
- GVT-0301: SFP Transceiver for mini GBIC (10km)
- GVT-0302: SFP Transceiver for mini GBIC (70km)