## 4-port 1000T/mini GBIC + 2 expandable slots L2 SNMP Gigabit Switch

**LevelOne's** GSW-1290 is a high-capacity Master stackable SNMP Layer 2 switch that provides reliable and expandible solutions for large workgroups or backbones. When combined with MDU-1290M and MDU-1290T modules for the two expansion slots, this device acts as a stand alone switch with 12 Gigabit Ethernet ports, supporting both copper and fibre connections. In addition, with 2 MDU-1290S 4-port stacking modules, this device performs as a stacking master switch, and up to 12 GSW-2492 switches can be stacked together in star architecture, providing 9.6Gbps of available bandwidth and managed using a single IP address as a single device. The entire switch stack is monitored through network or console port on the GSW-1290.

The GSW-1290 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, bandwidth control and support for IGMP v1/v2 Snooping. In order to increase network reliablity, the switch also supports 802.3ad, 802.1d and 802.1w standards.

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

**GSW-1290**

## Key Features

- Back plane up to 24 Gbps
- Master stacking with 12 GSW-2492 switches in star topology to provide 288 10/100 Mbps ports
- 12-port Gigabit Switch. With 4 built-in 10/100/1000Base-T ports (combo with 4 mini-GBIC) and 2 expansion slots
- Supports 802.1Q VLAN, GARP/GVRP, and Asymmetric VLAN.
- Supports Jumbo Frame (Up to 9216 bytes)

- 802.1D compatible, 802.1w, 802.1s Spanning Tree for redundant backup bridge paths
- Supports SNMP management/ MIB
- Supports 802.3ad LACP port trunks
- Supports SNMP v.1, v.3 network management, 4 groups of RMON
- 802.1 port-based, MAC-based port access control
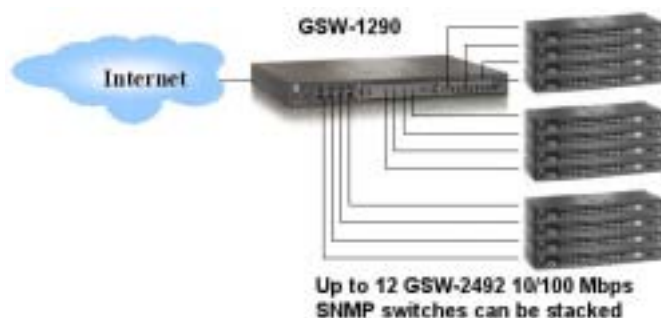- Web-based management Interface

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## Technical Specification

- **Standards Compliance**
  IEEE 802.3/ IEEE 802.3u/ IEEE 802.3ab
  IEEE 802.3x Flow Control
- **Ports**
  4 x 10/100/1000 Base-T
  4 x combo mini GBIC
  1 x RS-232 console port
  2 x Expansion Slots
- **Forwarding Rate**
  17.8Mpps (max.)
- **MAC Address Table**
  Standalone mode: 16K entries
  Stackable mode: 8K entries
- **RAM Buffer**
  1MB
- **Jumbo Frame support**
  9K (Standalone mode)
- **VLAN**
  IEEE 802.1Q Tagged VLAN
  Port-based VLAN
  GARP/GVRP
- **Port Trunk**
  Trunking mode: static
  Operation mode: load sharing
  802.3ad LACP support

- **Spanning Tree**
  802.1D/w Spanning Tree Protocol/Rapid spanning Tree
- **Management**
  SNMP v.1, v.3, Web-based Management
  MIB II
  RMON Group 1,2,3,9
  Console Port: DB-9 RS-232 DCE
- **LEDs**
  Per Device: Power, Console, RPS
  Per RJ-45 port: Speed, Link/Act
  Per SFP port: Link/Act
- **Power Input**
  100~240VAC, 50/60Hz Internal universal power supply
- **Power Consumption**
  30 Watts (max)
- **Ventilation**
  60 x 60 mm DC fans x 1
- **Temperature**
  Operating: 0 ~40
  Storage: -25 ~55
- **Humidity**
  Operating: 0% ~ 95%
- **Dimension**
  440mm(W) * 309mm(D) * 44mm(H)
- **EMI and Safety**
  FCC, CE

## Product Diagram



**GSW-1290 in Stacking Mode**

**GSW-1290 in Standalone Mode**

## Ordering Information

- GSW-1290: 4-port 1000T/mini GBIC +2 expandable slots L2 SNMP Master Switch
- GSW-2492: 24-port 10/100TX stacking SNMP Switch
- MDU-1290S: 4-port stacking module for GSW-1290
- MDU-1290M: 4-port mini GBIC module for GSW-1290
- MDU-1290T: 4-port 1000T module for GSW-1290
- GVT-3000: 1000BASE-SX SFP Transceiver
- GVT-3001: 1000BASE-LX SFP Transceiver
- GVT-3002: 1000BASE-ZX SFP Transceiver