

12G + 2SFP L2 SNMP POE Stacking Switch

LevelOne's GSW-1291 is a stackable Layer 2 POE switch to provide extensive WLAN, network IP surveillance systems, VoIP deployments and power cable free solution with the embedded management networking functions and advanced Power-over-Ethernet technology.

Virtual stacking increasing scalability --This switch allows you to use a single IP to manage for a virtual stack of up to 16 units of GSW-1291, GSW-2494 or GSW-2690 thus building central management in one screen for IT supervisor as well as increasing the scalability and allowing trunks between workgroup and other resources.

POE Function Embedded -- GSW-1291 managed switch is fully compliant with the IEEE 802.3af POE standard thus eliminating the requirement of power cable and reducing the installation cost. The built-in 12 10/100/1000 Mbps auto-sensing ports which can simultaneously deliver power and data over a single Ethernet cable to power devices such as wireless access points, IP network camera, IP phones and access control devices.

Versatile Features for Management-- The GSW-1291 supports a versatile 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 reliability, the switch also supports 802.1D spanning tree protocol. Moreover this switch provides 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 prioritise traffic for time-sensitive applications.

Easy Monitoring--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-1291

Related Products



GSW-2494
24G + 2SFP L2 SNMP Stacking Switch



GSW-2690
24Fast +2G/SFP L2 SNMP Stacking Switch

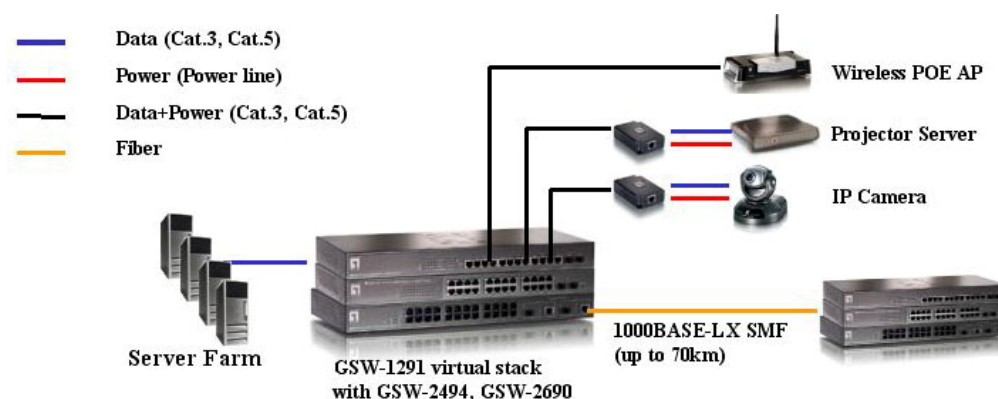
Key Features

- 12-Port 10/100/1000 Mbps copper ports and 2-Port Gigabit/SFP embedded
- Gigabit (copper/SFP) ports are compliant with IEEE802.3z and 802.3ab
- Compliant with IEEE 802.3af standards and provides power to all 12 ports
- Transmits data and power over single Ethernet cable without using power outlets
- Supports virtual stack of up to 16 units of GSW-2690, GSW-2494 or GSW-1291
- Web-based management provides easily configuration via any web browser
- Supports Port-based VLAN and IEEE802.1Q VLAN
- Supports 802.3ad port trunking with LACP
- Supports 802.1p Class of Service with 4-level priority queuing
- “At-a-glance” LEDs for port and system status monitoring
- 19” , 1U rack-mountable size

Technical Specification

- **Standards Compliance**
IEEE 802.3/ IEEE 802.3u
IEEE 802.3ab Gigabit 1000T
IEEE 802.3z Gigabit Fiber
IEEE 802.3x Flow Control and Back Pressure
IEEE 802.3af Power Over Ethernet
- **Network Interface**
1000T: 12 x RJ-45
Fiber: 2 x SFP
1x RS-232 DB-9 connector
- **Protocol**
CSMA/CD
- **Switch Architecture**
Store-and-Forward
- **MAC Address Table**
8K entries with Auto learning function
- **Memory**
Packet Buffer: 200Kbytes,
- **Transfer Rate**
14,880 Packets per second for 10Mbps
148,800 Packets per second for 100Mbps
1,488,000 Packets per second for 1000Mbps
- **Network Cables**
10Base-T: 2-pair UTP/STP Cat.3/4/5, Up to 100 m
100Base-TX: 2-pair UTP/STP Cat. 5, Up to 100 m
1000Base-T: 4-pair UTP/STP Cat.5, Up to 100 m
1000Base-SX LC MM: Multimode Fiber, Up to 550m
1000Base-LX LC SM: Singlemode Fiber, Up to 10km
1000Base-ZX LC SM: Singlemode Fiber, Up to 70km
- **Management Agent**
SNMP support, MID II (RFC 1213), Bridge MIB (RFC 1493), RMON MIB (RFC 1757)
- **Management**
Telnet management
Web management
Out band local Console Port: DB-9 RS-232 DCE
- **Spanning Tree Algorithm**
IEEE 802.1D Spanning Tree Protocol
IEEE 802.1 s Multiple Spanning Tree Protocol
- **VLAN**
Port-based VLAN/802.1Q Tagged VLAN/
802.1v protocol-based VLAN classification
Up to 256 active VLAN in one switch
- **QoS**
Supports IEEE 802.1p/Port/ MAC/TOS/DiffServ (Ipv4/Ipv6) based QOS Packet
Supports 4 queues per port,
Schedule Schemes: Weighted Round Robin/Fist Come Fist Service/ Strictly Priority
- **IP Multicast**
IGMP Snooping
IP Multicast Packet Filtering
- **Port Security**
Limit number of MAC addresses learned per port static MAC addresses stay in the filtering table
- **Software Upgrade**
TFTP/ Console firmware upgradeable
- **Other Features**
Port trunk connected allowed
Bandwidth Control supported both for Egress/Ingress
- **Power Supply**
Internal power supply: 100~240VAC, 50/60Hz
- **Power Consumption**
No PD device connected: 15 Watts (max)
12 x 15.4W PoE device connected: 185 Watts (max)
- **LEDs**
Per Device: Power, CPU
Per 10/100/1000Mbps: Link/ACT, 10/100/1000Mbps, PoE-PSE ACT, PoE FAIL
Per 1000M SFP: SFP(LINK)
- **Dimension**
442mm(W) * 209mm(D) * 44mm(H)
- **Temperature**
Operating: 0° C ~50° C (32° F ~ 113° F)
- **Humidity**
Operating: 5% ~ 90% (Non-condensing)
- **EMI and Safety**
FCC Class A, CE

Product Diagram



Ordering Information

- GSW-1291: 12G + 2SFP L2 SNMP POE Stacking Switch
- GVT-0300: SFP Transceiver fits mini GBIC (550m)
- GVT-0301: SFP Transceiver fits mini GBIC (10km)
- GVT-0302: SFP Transceiver fits mini GBIC (70km)