



Layer 2 Managed PoE Switch



GSW-0891

H/W Version: 1

Product Overview

The LevelOne GSW-0891 is a high-performance managed Layer 2 Network Switch that offers functionality with flexible network connectivity and PoE features.

Power over Ethernet Enabled

This Layer 2 Managed Switch is IEEE 802.3af compliant and connectivity to network devices such as network cameras, VoIP phones, access points and other PoE enabled devices.

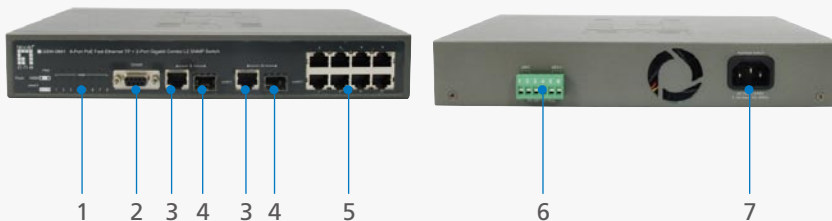
With automatic load sensing and interactive power transmission and port monitoring. Total switch power output is 123.3W with each port able to transmit 15.4W and featuring overload and short-circuit protection.

Advanced Layer 2 Switching Capability

The GSW-0891 network switch offers 5.6Gbps non-blocking switching architecture for wire-speed transmission.

With IEEE 802.1Q VLAN tagging capability, with 256 private virtual LAN groups. Administrators can set each group of devices to a separate network to enhance security and efficiency.

Other advanced enterprise features include IEEE 802.1p QoS/CoS, 802.1x, 802.1d/w spanning tree, IGMP snooping, 802.3ad Link Aggregation, SNMP versions 1/2c/v3 and 802.1X port-based Network Access Control.



1. LEDs
2. Console
3. 10/100/1000Mbps RJ 45
4. SFP Mini-GBIC Slot
5. 10/100Mbps RJ 45
6. DC 48V Power
7. AC 100-240V Power

Key Features

- 8-Port Managed Ethernet Switch with shared fiber or copper ports
- 15.4W per port Power over Ethernet enabled
- 5.6Gbps, non-blocking, switching architecture
- Includes 802.1x Port Authentication and MAC address filtering for network security
- Features X-Ring network self-recovery
- Advanced Layer 2 SNMP v1, v2c, v3
- 802.1Q based VLAN offering 256 private network groups
- Support 802.1ab Link Layer Discovery Protocol
- Support for Cisco Legacy PD
- Redundant Power Supply : 48V DC

Relate Products



GSW-2690
24-Port 10/100Mbps + 2-Port Gigabit/SFP L2 SNMP Switch



GSW-2693
24-Port 10/100Mbps + 2-Port Gigabit/SFP L2 SNMP POE Switch

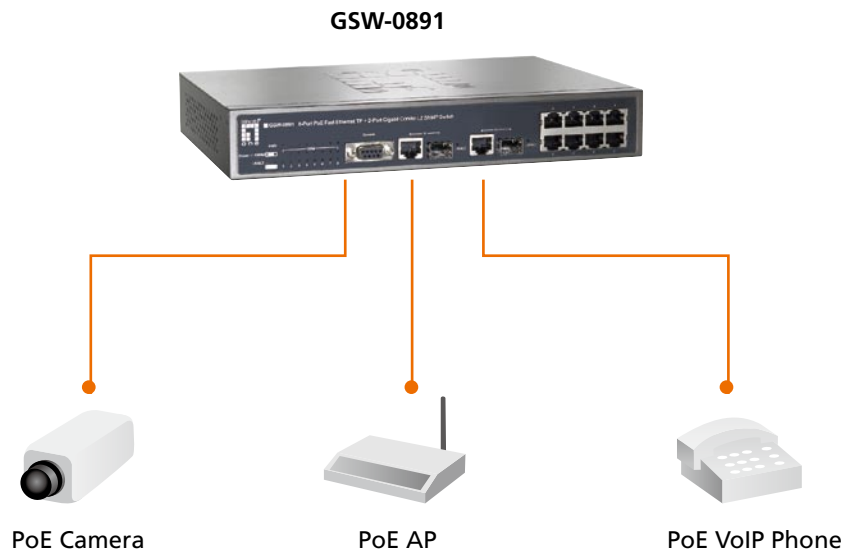
Technical Specifications

Network Interface Standard Compliance IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z 1000Base-X Fiber IEEE 802.3x Flow control and Back Pressure IEEE 802.3ad Port Trunk with LACP IEEE 802.3af Power over Ethernet IEEE 802.1d Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1p Quality of Service IEEE 802.1Q VLAN Tagging IEEE 802.1x User Authentication (Radius) IEEE802.1ab LLDP Cisco Legacy PD
Network Connectivity 8x RJ-45 Fast Ethernet Ports 2x RJ-45 + 2x 100/1000 SFP socket for Mini-GBIC 1x Console Port (D-Sub 9-pin Female (DCE))
PoE Ports 1 ~ 8 support IEEE 802.3af End-point, Alternative B mode 123.2W total (15.4W per port)
Protocol CSMA/CD
Switch Architecture Back-plane: 5.6Gbps Packet throughput): 8.3Mpps @64bytes
Packet Buffer 1Mbits
Mac Address 8K MAC address table
Physical Specifications
Power Supply 100 ~ 240V AC, 200W
Redundant Power Supply 48V DC
Power Consumption 135 Watts (open issue)
Operating Temperature and Humidity 0°C to 45°C 5% to 95% (Non-condensing)
Storage Temperature -40°C to 70°C
Switch Cooling 1x back FAN with fail detection
LED Power Link/Activity
Dimensions 270mm (W) x 210mm (D) x 44mm (H)/ 11" Support 11" wall mount and 19" rack mount
Certification EMI: FCC Class A, CE Safety: UL, cUL, CE/EN60950-1
Software and Management Features
Management SNMP v1 v2c, v3/ Web/Telnet/CLI
SNMP MIB RFC 1215 Trap, RFC1213 MIBII, RFC 1157 SNMP MIB, RFC 1493 Bridge MIB, RFC 2674 VLAN MIB, RFC 1643 , RFC 1757, RSTP MIB, Private MIB, PoE MIB
VLAN Port Based VLAN IEEE 802.1Q Tag VLAN (256 entries) VLAN ID (up to 4K, for 1 to 4096) GVRP (256 Groups)

Port Trunk with LACP 4 Trunk groups/Maximum 4 trunk members
QoS Support IEEE 802.1p Class of Service Provides 4 priority queues per port Port base, Tag base and Type of Service Priority
Port Mirror Support 3 mirroring types: RX, TX and Both packets
Security Port Security: MAC address filtering IP Security: IP address security management Login Security: IEEE 802.1X Radius
Spanning Tree Support IEEE802.1d Spanning Tree Support IEEE802.1w Rapid Spanning Tree
X-ring Support X-ring, Dual Homing, and Couple Ring Provide redundant backup feature and the recovery time below 300ms
LLDP Support LLDP to allow switch to advise its identification and capability on the LAN
IGMP Support IGMP snooping v1, v2 256 multicast groups and IGMP query
IP Security Support 10 IP addresses that have permission to access the switch management and to prevent unauthorized intruder
Login Security Support IEEE802.1X Authentication/RADIUS
Flow Control Support Flow Control for Full-duplex and Back Pressure for Half-duplex
System Log Support System log record and remote system log server
SMTP Support SMTP Server and 6 e-mail accounts for receiving event alert
Bandwidth Control Support ingress packet filter and egress packet limit Support Broadcast/Multicast/Unknown Unicast packet filter control Egress / Ingress packet rate limit: 100K~250Mbps
DHCP Provide DHCP Client/ DHCP Server
DNS Provide DNS client feature and support Primary and Secondary DNS server.
SNTP Support SNTP to synchronize system clock in Internet
Firmware Update Support TFTP firmware update, TFTP backup and restore.
Configuration upload and download Support text format configuration file for system quick installation
SNMP Trap SNMP Trap station up to 3 - Device cold start - Authentication failure - X-ring topology changed - Port Link up/Link down

Product Diagram

— Data & Power (Cat.5)



Order Information Package Contents

GSW-0891: 8-Port PoE Fast Ethernet TP + 2-Port Gigabit Combo Layer 2 SNMP Switch

GSW-0891 PoE Layer 2 Network Switch
Four rubber pads
RS-232 cable
Power Cord
User Manual
CD

Option Accessories



GVT-0300
Mini GBIC SFP transceiver,
SX Multi-Mode (550m)



GVT-0301
Mini GBIC SFP transceiver,
LX Single-Mode (10km)



GVT-0302
Mini GBIC SFP transceiver,
ZX Single-Mode (80km)

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