



24-Port 10/100/1000Mbps Web Smart



GSW-2440

H/W Version: 1

Gigabit Ethernet Solution

LevelOne GSW-2440 Gigabit switch equips 24 Gigabit ports that lead you to a real Gigabit connection. Users are now able to transfer large and high bandwidth-needed files faster and hence get a real efficiency improvement.

Fast and Reliable Technology

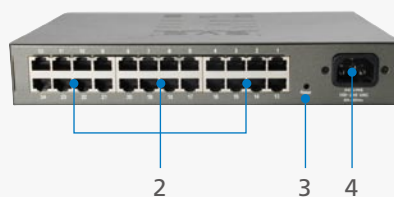
GSW-2440 offers users with fast and reliable network. The store-and-forward architecture filters errors and forwards packets in a non-blocking environment. Flow control ensures the correctness of data transmitting. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports Nway auto-negotiation protocol that detects the networking speed and the duplex modes (Full/Half) automatically. Auto-MDI/MDI-X function alleviates the effort to use crossover cables.

Web-based Management Interface

Friendly web management features are ready for users easily to configure and maintain the device through a general web browser. You can partition the switch into 24 groups using port-based VLAN technology. This switch also supports Quality of Service (QoS) to prioritise traffic for time-sensitive applications.

Easy to Use

-- For instant error detection, the switch is equipped with a full range of LEDs to help you monitor and troubleshoot problems on your network. The slim and unique design fits easily in any space-limited location. Users can locate the switch on the desktop. With the accessory kits, the switch can either be stacked or mounted to the rack to save space.



1. LEDs
2. 10/100/1000 Mbps
3. Reset Button
4. Internal Power Socket

Key Features

- Complies with IEEE 802.3, 802.3u, 802.3ab
- 24 x 10/100/1000 Mbps RJ-45 Nway ports
- Up to 48Gbps Backplane bandwidth
- Supports 8K absolute MAC addresses
- Supports 500K Bytes RAM for data buffering
- Supports 9K bytes Jumbo frame
- Supports up to 8 ports and 12 groups port aggregation
- Support QoS for better communication quality
- Front-panel diagnostic LEDs
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)

Related Products



GSW-1621
16-Port 10/100/1000Mbps w/ SFP



GSW-2420
24-Port Gigabit Ethernet Switch

Technical Specification

Standard Compliance

IEEE Standards Compatibility

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX
- IEEE802.3ab 1000Base-T
- IEEE802.3x Flow Control and Back Pressure
- IEEE802.1p QoS
- IEEE802.1Q VLAN Tag

Hardware Specification

Physical Interface

- 24 x 10/100/1000 Mbps RJ-45 Ports

LEDs

- Per Device: Power
- Per Port: 10/100M/1000M Link/Act(Green)

Performance Specifications

- Forwarding modes: Store-and-forward
- Back-plane (Switching Fabric): 48Gbps
- Packet buffer memory: 500K Bytes
- Mac Address : 8K MAC address table

Electrical Specifications

- Power consumption: 21.6 Watts (Max)
- Voltage: 100 ~ 240 VAC, 50-60 Hz

Physical Specifications

- Dimensions: (w x d x h) 270 x 187 x 43 mm
- Weight: 1.55 kg

Environmental Specifications

- Operating temperature: 0° to 40°C
- Operating humidity: 10%~90% (Noncondensing)

EMI and Safety

- CE
- FCC Part 15 Class A
- VCCI-A

Software Specification

VLAN

- Tag VLAN (24 entries)
- VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4094)

Trunk

- 8 Ports per Group / 12 Groups per Device
- Static Trunk

Quality of Service(QoS)

- IEEE802.1p Priority Queues: 4 Queues
- Port Based Priority (High/Medium/Normal/Low)
- TOS
- DSCP

Bandwidth Control

- Support ingress packet filter and egress packet limit

Storm Control

- Broadcast Storm Control
- Multicast Storm Control

Port Mirror

- Support mirroring types: "TX RX both packet".

SNMP

- Support SNMP v1
- RFC 1157
- RFC 1155
- RFC 1212
- RFC 1213

DHCP

- Provide DHCP Client

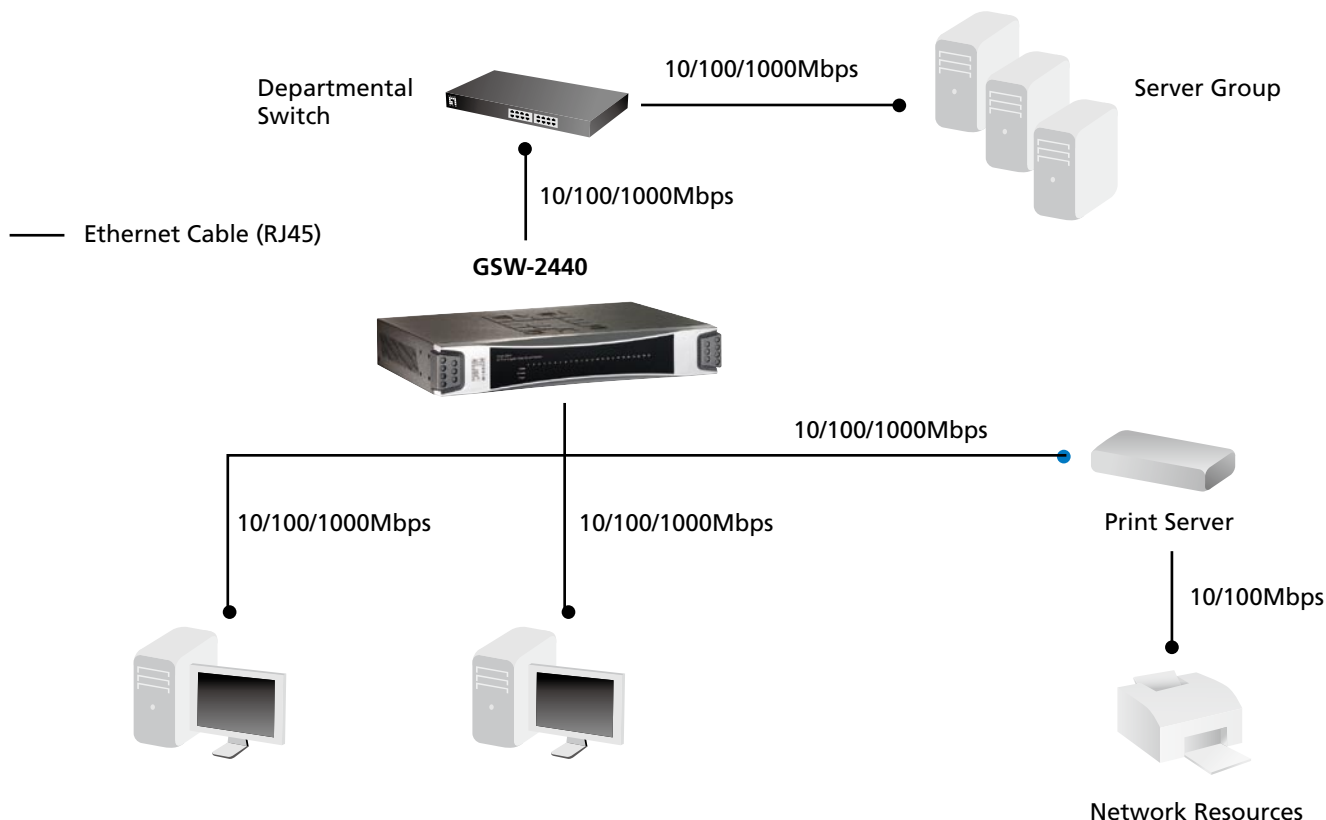
Firmware Update

- Support firmware upgrade via Web

MTBF

- System MTBF: 172254

Product Diagram



Order Information

GSW-2440: 24-Port 10/100/1000Mbps Web Smart

Package Content

GSW-2440

CD Manual

Power Cord

Rack-mount Brackets

Stackable kit