

ProCon_GSW-2454



24-port Fast Ethernet/ 2-port Gigabit Ethernet Switch

LevelOne's new Gigabit Ethernet Switch, GSW-2454T is equipped with 24 10/100Mbps-port Fast Ethernet and 2 10/100/1000 Mbps-port connections. Based on familiar, proven Ethernet technology, GSW-2454 provides 8.8Gbps of back-plane bandwidth to improve network performance and throughput for multi-media, video streaming and real-time broadcast applications.

Each of the RJ-45 ports can auto negotiate for the best possible performance running either in full or half duplex mode. Auto-MDIX is also supported on all ports which allows unlinking to another switch-free cross-over or straight cable selection. Half-and full-duplex flow control prevents packets from being dropped under heavy loading. The GSW-2454 supports "store and forward" mode of operation to ensure that only whole packets with a good CRC are passed to the destination.

GSW-2454 gigabit switch is "Plug-&-Play". It does not require software configuration. Users can immediately use any of the features of this product simply by attaching the cables and turning on the power. For instant error detection, the switch is equipped with a full range of LEDs to help you monitor and troubleshoot problems on your network. Offering compact design (441 mm x 161 mm x 44 mm) with a rack-mounted kid, the GSW-2454 can be mounted in an EIA standard size, 19" Rack and placed in a wiring closet with other equipment to support reliable operations in extreme operating environments.



GSW-2454

Key Features

- 24 10/100TX plus 2 10/100/1000 Mbps ports
- Complies with IEEE 802.3 10Base-T, IEEE 802.3u
 100Base-TX and IEEE 802.3ab Gigabit copper
- Fan Less design
- Store-and-forward switching architecture
- High switch fabric up to 8.8 Gbps
- Non-Blocking full wire speed architecture

- Support IEEE802.1x flow control
 - Pause frame for 10/100/1000Mbps full duplex
 - Back-pressure for 10/100Mbps half duplex
- Plug-and-Play, nothing to configure
- "At-a-glance" LEDs for port and system status monitoring
- 19", 1U rack-mountable size



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Technical Specification

Standards Compliance

IEEE 802.3/ IEEE 802.3u IEEE 802.3ab Gigabit 1000T IEEE 802.3x Flow Control and Back Pressure

Connector

10/100TX: 24 x RJ-45 1000T: 2 x RJ-45

Protocol CSMA/CD

MAC Address Table

8K entries with Auto learning function

Memory

Packet Buffer: 2.5Mbits

Transfer Rate

14,800 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

Switch Architecture

Store-and-Forward

LEDs

Per Device: Power Per 10/100Base-TX: Link/Activity, Full duplex/Collision Per 1000Base-T: 100, 1000, Link/Activity, Full duplex/Collision

Power Supply

Internal power supply: 100~240VAC, 50/60Hz

Power Consumption 20 Watts (max)

■ Temperature

Operating: 0° C ~45° C (32° F ~ 113° F)

Humidity

Operating: 10% ~ 90% (Non-condensing)

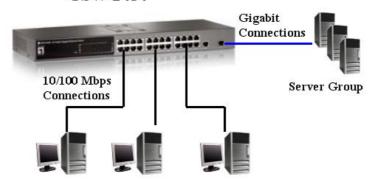
Dimension

440mm(W) * 161mm(D) * 44mm(H)

EMI and Safety
 FCC Class A, CE

Product Diagram

GSW-2454



Ordering Information

GSW-2454: 24-port Fast Ethernet/ 2-port Gigabit Ethernet Switch

