



24 GE + 2 GE SFP Web Smart Switch

H/W Version: 1

Product Overview

LevelOne GES-2452 is a powerful, high-performance Gigabit Ethernet switch with 24 10/100/1000Mbps ports and 2 SFP(mini GBIC) ports, providing you a cost-effective, space-saving solution for expanding your network. The gigabit ports can lead you to a real gigabit connection, making you be able to transfer high bandwidth-needed files larger and faster in an easy way. And the two mini gigabit ports allow you to add fiber-optic connectivity for connecting to other network switches to obtain long-distance communication.

This GES-2452 device provides the easy management function through the Ethernet Web. The network administrator can configure the status and the port function setting of the device through the Web-Based UI. When installing the auto-discovery management tool helps network managers to search and access those switches on LAN easily. Therefore, network managers can access switches that support autodiscovery on LAN without memorizing IP address.



GES-2452

Smart Features

GES-2452 device provides rich features including Link Aggregation, VLANs, IGMP Snooping, Port Trunking, Spanning Tree, Security (Port Security and IEEE 802.1x authentication) and other network management to meet the requirements evolving medium and smallsized enterprises. QoS secures the bandwidth for some bandwidth-demanded applications including VoIP or video conference. Additionally, IEEE 802.3az Energy Efficient Ethernet ability is supported to promise operation in Low Power Idle Mode and save power consumption.

Easy installation and maintenance

The GES-2452 switch is plug & play and hasslefree in installation. Auto-MDI/MDI-X crossover on all ports eliminates the need for crossover cables for connection to another switch or hub. Auto-Negotiation on each port senses the link speed of a network device and intelligently adjusts for compatibility and optimal performance. This switch also features diagnostic LEDs, which display the status and activities of the ports, allowing you to quickly detect and correct problems on the network.



- 1. LED Indicators
- 2. Reset Button
- 3. 10/100/1000Mpbs Ports
- 4. SFP Slot
- 5. Internal Power Socket

Key Features

- Complies with IEEE 802.3, 802.3u, 802.3ab and 802.3az
- Support QoS for better communication quality
- 24 x 10/100/1000Mbps RJ-45 ports
- 2 x SFP for optional fiber optical communication
- Supports 16K absolute MAC addresses entries
- Supports 3.5Mbit RAM for data buffering
- Supports 9K bytes Jumbo frame
- Supports IEEE 802.3az Energy Efficient Ethernet
- 10.5-inch rack-mountable with included mounts

Related Products



GES-1650 16 GE + 4 GE SFP Web Smart Switch

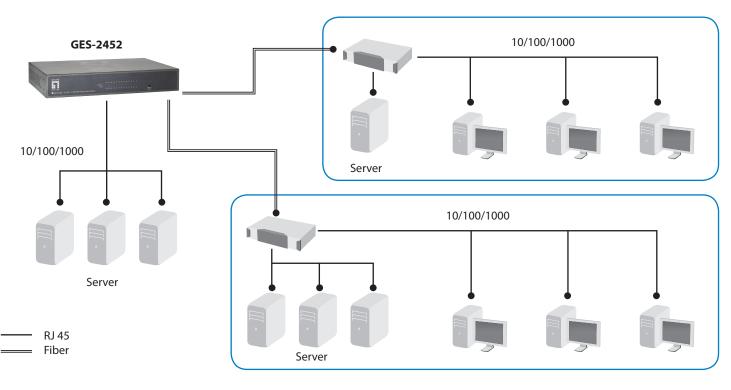


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Technical Specifications

Standard Compliance	Software Specification
IEEE Standards Compatibility	Traffic Management and QoS
IEEE 802.3/802.3u/802.3ab	Rate limiting: policy-based/port-based bandwidth control, 16
IEEE 802.3x flow control	kbps steps up to 1Gbps maximum
IEEE 802.3az Energy Efficient Ethernet	Port-based egress traffic shaping
IEEE 802.1D spanning tree protocol	Broadcast storm control
IEEE 802.1s spanning tree protocol (MSTP)	IEEE 802.1p with 8 priority queues per port for different traffic
IEEE 802.1p class of service, priority protocols	types
IEEE 802.1Q VLAN tagging	WRR (Weighted Round Robin)/SP/WFQ scheduling algorithm
IEEE 802.1x port authentication	Congestion control on all ports
IEEE 802.3ad VLAN stacking	Link Aggregation
IEEE 802.3ad LACP aggregation	IEEE 802.3ad LACP link aggregation compliant
Hardware Specification	Up to 8 aggregation groups, 8 ports/per group randomly
Network Interface	selected
- 24 x 10/100/1000Mbps RJ-45 Ports	Resilient Network
- 2 x SFP Ports	Supports up to 16 spanning tree instances for MSTP, RSTP, and
LED Indicators	STP
1x Power LED(Power: Green),	User Security and Authentication
24 x 10/100/1000Mbps (Link/Act :Green)	MAC filtering per port secures access to each port
Performance Specifications	IEEE 802.1Q tag-based and port-based VLAN
- Mac Address Table Size : 16K	802.1x port-based authentication, compensated assignment
- Buffer memory: 3.5Mbit	over VLAN and bandwidth for valid access
- Jumbo Frame : 9K Bytes	Access Control List(ACL) Function
Electrical Specifications	Network Administration Security
- Voltage: 100 ~ 240 VAC, 50-60 Hz	User name/password required for Web
Physical Specifications	Network Management
- Dimensions: (w x d x h) 266 x 185 x 44 mm	Web-based management
- Weight:1.7kg	RMON four RMON groups 1, 2, 3, 9 (history, statistics, alarms,
Environmental Specifications	and events) for enhanced traffic management, monitoring, and
- Temperature Operating: 0°C ~ 40°C (32°~104°F);	analysis
Storage: -40°C ~ 70°C (-40°~158°F)	Port mirroring
- Humidity Operating: 10% ~ 90% RH, non-condensing;	SNMPv1/v2/v3
Storage: 5%~90% RH, non-condensing	Automatic loop detection and isolation
EMI and Safety	MIB count
- CE, FCC	IGMPv1/v2 snooping

Product Diagram



Order Information Package Contents

GES-2452: 24 GE + 2 GE SFP Web Smart Switch

GES-2452 CD Manual Power Cord Quick Installation Guide 19" Rackmount Kit Rubber Feet x 4

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