24 FE PoE + 2 GE Combo SFP
L2 Managed Switch

FGP-2472

H/W Version: 1

The LevelOne FGP-2472 is a new member of the Managed Switch 7 series family. It supports 24 10/100Mbps Ethernet ports with IEEE802.3af Power over Ethernet (PoE) and 2 Gigabit Combo SFP ports. With all 24-ports featuring PoE function, the FGP-2472 is an ideal solution for SMBs and enterprises which have the demands of PoE Wireless APs, VoIP phones or security video cameras.

In addition, FGP-2472 provides Virtual Stacking which allows up to 16 units be managed as one unit with a single IP address. It gives freedom from keeping stacked switches at one physical location, and the flexibility to manage the network.

Moreover, the FGP-2472 implements comprehensive QoS (Quality of Service) and enriched security features, such as Mac Filtering Policy. It also provides overall network management features such as Port Mirror, VLAN and full L2 protocols to enhance the network efficiency with security for high bandwidth applications.

PoE Saves Your Power Infrastructure and Installation Cost

24-PoE ports support 15.4W on each port and allows a total of up to 380W, directly through existing LAN cables, eliminating the costs for additional AC wiring and reducing installation cost. It frees your PoE device deployment from the restrictions of power outlet locations. By supplying the power end-span, you can centralize power distribution and backup without the need to increase infrastructure.

802.1x Access Control Improves Network Security

802.1x features enable user authentication for each network access attempt. Port security features allow you to limit the number of MAC addresses per port in order to control the number of stations for each port. Static MAC addresses can be defined for each port to ensure only registered machines are allowed access. By enabling both of these features, you can establish an access mechanism based on user and machine identities, as well as control the number of access stations.
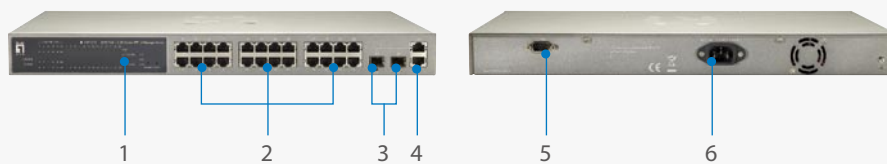
1. LEDs
2. 10/100Mbps RJ-45
3. SFP (Mini-GBIC) slot
4. 10/100/1000Mbps RJ-45
5. RS-232
6. AC 100-240V 50/60Hz

Key Features

- PoE to save your power infrastructure and installation cost
- Port Mirroring helps supervisors to monitor the network
- Q-in-Q with 4094 VLAN entries
- IEEE802.1x Access Control improves network security
- IEEE802.1d, IEEE802.1w Rapid Spanning Tree
- Unknown Unicast/Broadcast/Multicast storm control
- Isolated Group provide security for certain ports
- Dual Media Ports for flexible fiber connection
- Supports Virtual Stacking up to 16 switches through single IP address
- 380 watts full power support (up to 15.4 watts for each of the 24 ports)

Related Products

FGL-2870
24 FE + 4 GE Combo SFP
L2 SNMP Switch

GEL-2870
24 GE + 4 GE Combo SFP
L2 SNMP Switch

Technical Specifications

Standard Compliance
IEEE 802.3 10Base-T Ethernet (Twisted-pair Copper)
IEEE 802.3u 100Base-TX Ethernet (Twisted-pair Copper)
IEEE 802.3ab 1000Base-TX Ethernet (Twisted-pair Copper)
IEEE 802.3z 1000Base-X Ethernet
IEEE 802.3x Flow Control Capability
ANSI/IEEE 802.3 Auto-negotiation
IEEE 802.1q VLAN
IEEE 802.1p Class of Service
IEEE 802.1x Access Control
IEEE 802.1d Spanning Tree
IEEE 802.1w Rapid Spanning Tree
IEEE 802.3af Power over Ethernet
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
RoHS Compliance

Physical Interface
Port 1-24 are 10/100Mbps Fast Ethernet ports.
Port 25,26 are Gigabit Combo SFP ports
RS-232 Consle port

Performance
Physical Interface
8 K MAC addresses
256k packet buffer and 128k control memory
The maximum throughput is 8.8Gbps
With 64 bytes packets throughput is 6.547Mpps

VSM (Virtual Stacking Management):
Up to 16 switches can be managed via Single IP Management

L2 Protocol
VLAN
Port-base VLAN
4K VLAN and up to 256 active VLANs included static plus dynamic entry
In tag-base VLAN, supports egress/ingress packet filter
Q-in-Q is an efficient method for enabling Subscriber Aggregation.

QoS
Supports Port Based, 802.1p , TOS and Diffserv(IPv4/IPv6) based QoS packet classification
Supports four level priority queues to prioritize in-bound and out-bound traffic
Supports two scheduling, WRR and Strict
Supports priority in a Q-in-Q tag

Broadcast Storm Protection
Multicast/Broadcast/Unknown-Unicast Storm suppression.

Port Mirroring
Support 1: N RX port mirroring.
Supports port sniffer function with 3 modes:
(TX Monitor Mode, RX Monitor Mode and TX-RX pair Monitor Mode).

Isolated Group
Allows certain ports to be designated as protected.

Rate Limit
Ingress rate limit:
Port 1~24: 1K up to 100Mbps
Port 25, 26: 1K up to 1000Mbps
Egress rate limit:
Port 1~24: 1K up to 100Mbps
Port 25, 26: 1K up to 1000Mbps

PoE Specification
24 IEEE802.3af PoE PSE ports
Endpoint with 48VDC power through RJ-45 pin 1, 2, 3, 6.
PoE-PSE activity LED indicator.
380 watts full power supports (up to 15.4 watts for 24 ports)
Auto detect powered device and consumption levels
Supports per port power consumption monitoring
Smart feature for PD on/off, PD detection, power level, PD status and power feeding priority
Circuit protection to prevent power interference between ports
Supports per port PoE State setting
Supports per port power priority setting

LACP
2 Fast Ethernet +1 Gigabit Ethernet groups
Per-group max 4 members
Provides DA, SA and DA+SA Mac-based trunking with automatic link fail-over

GVRP/GARP
802.1q with GVRP/ GARP

Multicasting
Supports IGMP snooping including active and passive mode

STP/RSTP
802.1d/1w

Network Security
802.1x access control
Isolated group
Management Access Policy Control
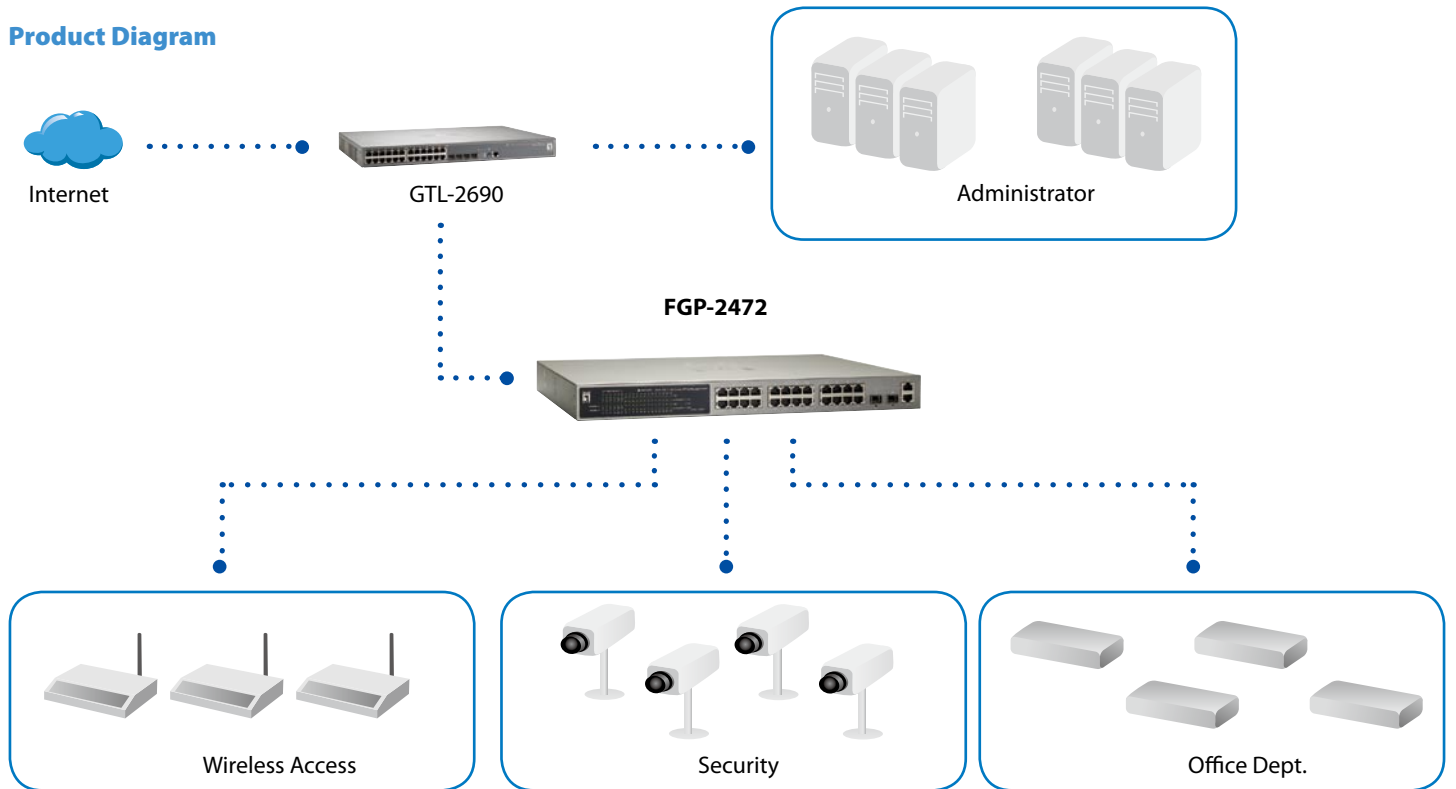Static MAC
MAC addresses learning limit

SNMP 1,v2c Network Management
RFC 1213 MIB (MIB-II)
Interface MIB
Address Translation MIB
IP MIB
ICMP MIB
TCP MIB
UDP MIB
SNMP MIB
RFC 1757 RMON MIB
Statistics Group 1
History Group 2
Alarm Group 3
Event Group 9
RFC 1493 Bridge MIB
RFC 1643 Ethernet MIB
Enterprise MIB

Hardware Spec.
Power Voltage: 100~240 V, Frequency : 50~60 Hz
PoE Power Budge: Max. 380W
(with 24 x 15.4W PD device connected)
Ambient Temperature: 0℃ to 40℃
Humidity: 5% to 90%
Dimensions 44(H) x 442(W) x 366(D) mm
Weight : 5.47kg

Product Diagram

Internet · · · · · · · · GTL-2690 · · · · · · · · Administrator

FGP-2472

Wireless Access   Security   Office Dept.

Order Information	**FGP-2472:** 24 FE PoE + 2 GE Combo SFP L2 Managed Switch
Package Contents	FGP-2472
	Rack Mount kit
	RS-232 cable
	Power Cord
	CD User Manual

Optional Accessories

SFP-3001
1.25 G transceiver 850nm VCSEL, SX (MMF 500m), Duplex LC

SFP-3111
1.25 G transceiver, 1310nm MLX (MMF 2km), Duplex LC

SFP-3211
1.25 G transceiver , 1310 nm FP-LD, LX (SMF 10m), Duplex LC

SFP-3611
1.25 G transceiver , 1550nm DFB-LD, ZX (SMF 80km), Duplex LC

SFP-3711
1.25 G transceiver 1550nm DFB-LD, EZX (SMF 120km), Duplex LC

SFP-3841
1.25 G transceiver TX Copper (100m), RJ-45 Type

SFP-9221
1.25G BIDI, (SM 10km 1310/1550), Simplex LC

SFP-9231
1.25G BIDI, (SM 10km 1550/1310), Simplex LC

SFP-9321
1.25G BIDI, (SM 20km 1310/1550), Simplex LC

SFP-9331
1.25G BIDI, (SM 20km 1550/1310), Simplex LC

SFP-9421
1.25G BIDI, (SM 40km 1310/1550), Simplex LC

SFP-9431
1.25G BIDI, (SM 40km 1550/1310), Simplex LC