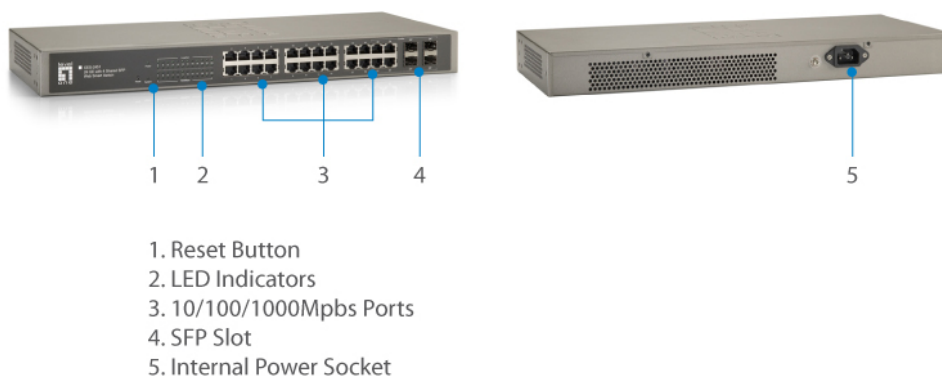




## 24-Port Web Smart Gigabit Switch, 4 x SFP/RJ45 Combo

LevelOne GES-2451 is a powerful, high-performance Gigabit Ethernet switch with 24 10/100/1000Mbps ports shared 4 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 four gigabit SFP ports allow you to add fiber-optic connectivities for connecting to other network switches to obtain long-distance communication.

This GES-2451 device provides the easy management function, 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.



### Caractéristiques Principales

- ports 24 Gigabit avec 4 fentes SFP partagées
- Vitesse filaire de transmission et de réception des données de 10/100/1000 Mbit/s
- IEEE 802.1d/w/s Protocole Arbre (STP) et mise en miroir du port
- IEEE 802.1p QoS avec 4 files prioritaires
- Prend en charge VLAN à architecture port, IEEE 802.1Q VLAN Tagging
- Filtrage IP multicast via IGMP Snooping V1/ V2/ V3
- Taux de transfert de trames jumbo de 10K pour augmenter les données
- Prise en charge de l'auto-apprentissage et de l'auto-vieillessement des adresses MAC 8K
- Boîtier métallique de 19 pouces
-

## Caractéristiques

### Caractéristiques système

#### Normes et protocoles:

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet  
IEEE 802.1p Quality of Service (QoS)  
IEEE 802.1Q Virtual LANs (VLANs)  
IEEE 802.1D MAC Bridges  
IEEE 802.1d Standard Spanning Tree Protocol (STP)  
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)  
IEEE 802.1s Multiple Spanning Tree Protocol (MSTP )  
IEEE 802.3x Flow Control (full-duplex flow control)

#### Mémoire tampon:

4086KB

#### Port:

24 x 10/100/1000BASE-T RJ-45 ports  
4 x 100/1000Base-X SFP Slots (4 shared)

#### Bouton/molette:

Reset Button

#### Indicateur:

Power, System, Link/Active, 1000Mbps

#### Méthode de transmission:

Store-and-Forward

#### Entrée d'alimentation:

100-240V AC, 50-60 Hz, Internal Power Supply

#### Consommation électrique:

23.3W

#### Panneau arrière (Gbit/s):

48Gbps

#### Tableau d'adresses MAC:

8K

#### Débit de données:

10/100/1000Mbps

### Caractéristiques

#### Général:

Quality of Service (QoS):  
4 hardware Priority Queues per port  
Traffic classification based on IEEE 802.1p CoS, DSCP, Supports WRR, Strict scheduling, or hybrid mode  
Rate Limiting - Ingress resolution; Egress resolution

#### Spanning Tree:

IEEE 802.1D MAC Bridges  
IEEE 802.1d Spanning Tree Protocol (STP)  
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)  
IEEE 802.1s Multiple Spanning Tree Protocol (MSTP )  
Loop/Root Guard, TC-BPDU Guard, BPDU Guard/Filter

#### Virtual Local Area Network (VLAN):

802.1Q tag-based VLAN - up to 4096 VLAN IDs

#### Fonctions de sécurité:

##### Storm Control:

Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port

##### Access Control:

HTTPS; Manage VLAN assignment

Port security: access control port-based

Filtering: Port-/MAC-/IP-based security

#### Fonctions de gestion:

##### Diagnosis:

syslog

##### Network:

RMON (groups 1, 2, 3 and 9) Management; SNMP v1, v2c, v3; DNS client, proxy; HTTPs

#### Facilité d'utilisation:

Firmware and Configuration: upgrade/downgrade via HTTP

### Performances

#### Taux de transfert des paquets:

1000Mbps port - 1,488,000pps

100Mbps port - 148,000pps

10Mbps port - 14,880pps

#### Trame étendue (K):

10K

### Conditions environnementales

#### Température de fonctionnement (°C):

Operating: 0°C ~ 40°C

Storage: -40°C ~ 70°C

#### Hygrométrie de fonctionnement:

Storage: 5% ~ 90%

Operating: 10 ~ 90%

#### Installation:

19-inch rack-mountable

### Spécifications physiques

#### Dimensions (L x P x H mm):

440 x 180 x 44 mm

#### Poids (g):

2288 g

### Fiabilité

#### MTBF:

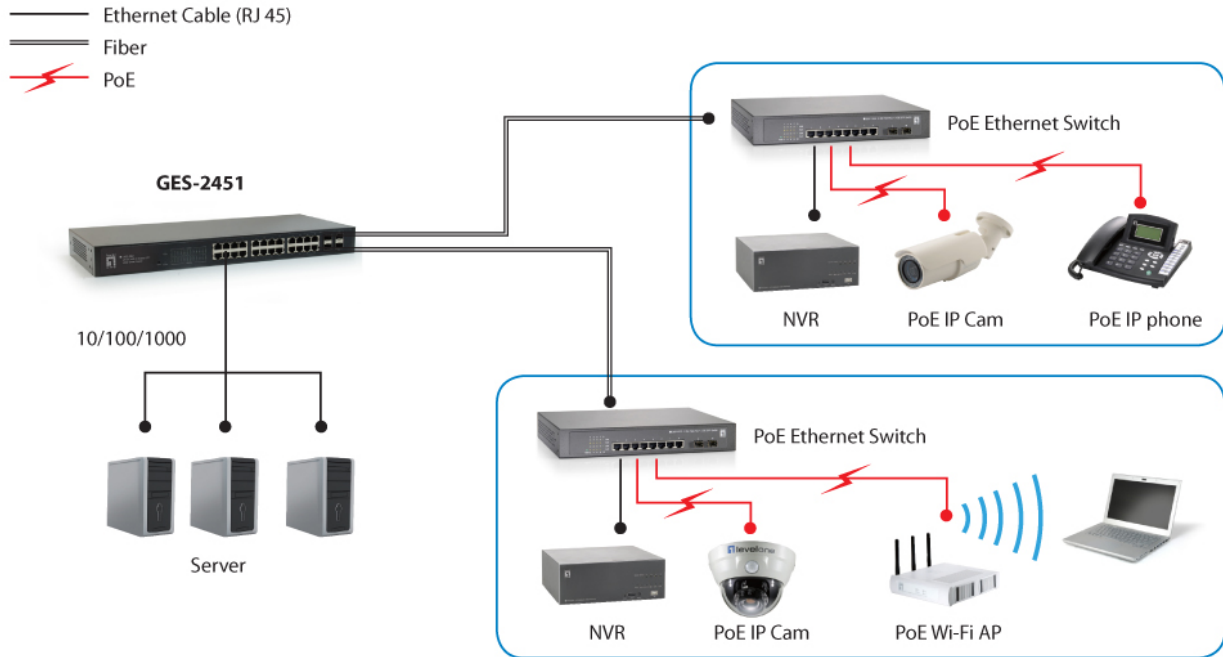
98489 hour

### Approbation et conformité

#### EMI/EMS:

FCC Part 15 Class A, CE, RoHS

## Schéma De Câblage



## Informations Relatives À La Commande

### Contenu De L'emballage

GES-2451  
Cordon d'alimentation  
Kit de support pour montage en rack 19"  
Pieds en caoutchouc  
Guide d'installation rapide  
Version CD du manuel d'utilisation

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