# 24 GE + 4 GE SFP Switch

GEU-2429

## H/W Version: 1

### Easily boost your networking throughput

The GEU-2429  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. In addition to the cooper ports, 4 of those ports support fiber connection with the equipped SFP ports for obtaining long-distance communication.
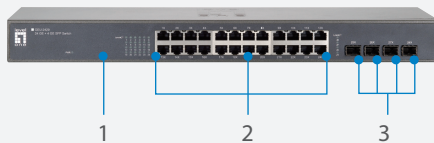
### Offers users with fast and reliable network

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.

### Eeasy installation and maintenance

It supports Nway auto-negotiation protocol that detects the networking speed (10/100/1000 Mbps) and the duplex modes (Full/Half) automatically. Auto-MDI/MDI-X function alleviates the effort to use crossover cables. Also, rich diagnostic LEDs are provided for users to get real-time information of the connection status.

1. LED Indicators
2. 10/100/1000Mbps RJ-45 Ports
3. SFP Slot
4. Internal Power Socket

## Key Features

- Complies with IEEE802.3, IEEE 802.3u, IEEE 802.3ab and IEEE 802.3az standards.
- 24 x 10/100/1000 Mbps RJ-45 Nway ports
- 4 x SFP ports for optional fiber optical communication
- Supports NWay protocol for speed (10/100/1000Mbps) and duplex mode (Half/Full) auto-detection
- Support auto-detection for SFP module inset
- Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all copper ports
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- Supports 9K bytes Jumbo frame.
- Supports 16K MAC address entries in whole system
- 340K bytes buffer memory

## Works Well With

**GNC-0105T**
32-bit Gigabit Ethernet PCI Card

**USB-0401**
USB Gigabit Ethernet Adapter

## Technical Specifications

**Standard**
IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX
IEEE 802.3ab 1000Base-T
IEEE 802.3az Energy Efficient Ethernet
IEEE 802.3x Flow Control and Back Pressure

**Interface**
24 x 10/100/1000 Mbps RJ-45 Ports
4 x SFP ports

**NWay Protocol Support**
Network speed: 10 / 100 / 1000Mbps
10Mbps: Full/Half duplex
100Mbps: Full/Half duplex
1000Mbps: Full duplex

**LED Indicators**
1x Power LED(Power: Green),
24 x 10/100/1000Mbps (Link/ACT: Green)

**Jumbo Frame**
9K bytes

**Packet buffer memory**
3.5Mbit

**Mac Address Table**
16K

**Temperature**
Operating: 0℃ ~ 40℃ (32°~104°F)
Storage: -10℃ ~ 70℃ (14°~158°F)

**Humidity**
Operating: 10% ~ 90% RH, non-condensing
Storage: 5%~90% RH, non-condensing

**Dimension**
441 x 130 x 44 mm

**Power Supply**
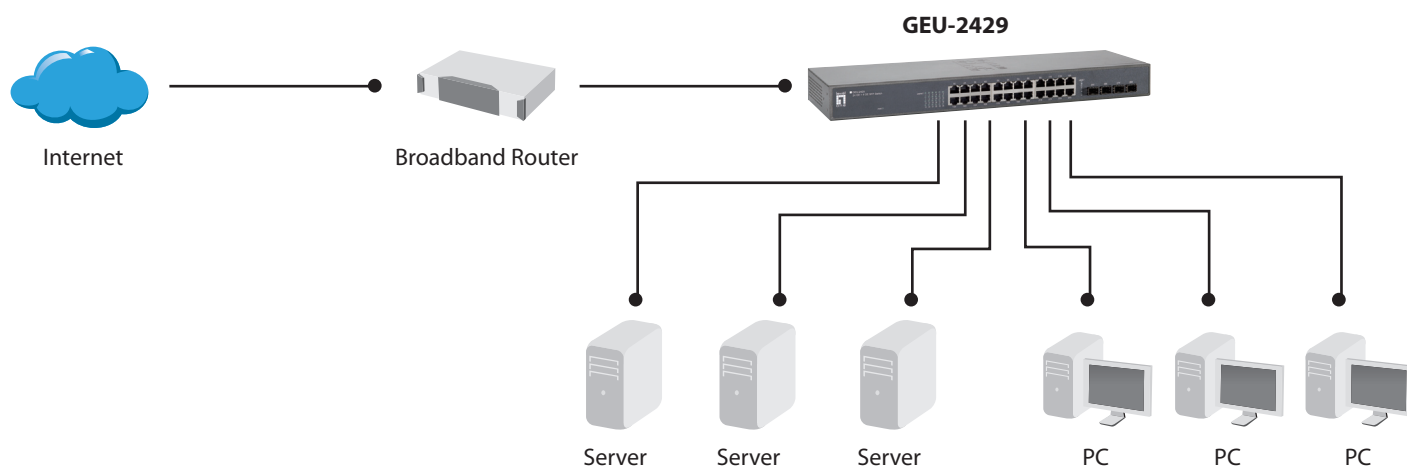Internal Power Supply
100~240VAC/50~60Hz universal input

**Emission**
FCC Class A, CE, VCCI Class A

**MTBF**
System MTBF: 76,836

## Product Diagram

GEU-2429

Internet

Broadband Router

Server　Server　Server　PC　PC　PC

**Order Information**　　**GEU-2429:** 24 GE + 4 GE SFP Switch

**Package Contents**　　GEU-2429
　　　　　　　　　　　QIG Manual
　　　　　　　　　　　Power Cord
　　　　　　　　　　　Rack-mount Brackets
　　　　　　　　　　　Stackable kit

## Optional Accessories

**GVT-0300**
Mini GBIC SFP transceiver, SX
Multi-Mode (550m)

**GVT-0301**
Mini GBIC SFP transceiver, LX
Single-Mode (10km)

**GVT-0302**
Mini GBIC SFP transceiver,
ZX Single-Mode (80km)

**SFP-3001**
1.25 G transceiver 850nm
VCSEL, SX (MMF 500m),
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**
1.25G Copper Transceiver
(RJ-45, 100m)

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

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