DATASHEET

24-Port Gigabit Switch



General data

24 Gigabit Ethernet ports
10/100/1000Mbit/s, full/half duplex, auto-negotiation, auto-MDI/MDIX
9K jumbo frames for high data throughput
Supports 8K MAC address auto-learning and auto-aging
Supports 3 operation modes for different applications

Gigabit Speeds: Take your data to the next level!
The LevelOne GEU-2431 is a 24-port Gigabit Ethernet switch that offers you a powerful, cost-effective, easy-to-use and seamless upgrade to expand your network to 1000 Mbps. Increase the speed of your network backbone up to 48 Gbps and create lightning-fast Gigabit connections to all your computers.

Bandwidth hunger? That is not an obstacle.
What happens when multiple users access multimedia applications at the same time? No need to worry because GEU-2431 allows you to transfer large files faster and easier. Transfer your CGI, CAD, video or other large multimedia files over the network instantly and without delay.

Plug and Play, flexible and easy.
The GEU-2431 is plug-and-play, so no configuration is required. Automatic MDI/MDI-X cable detection on all ports eliminates the need for crossover cables or uplink ports. Each port can be used as a general port or an uplink port, and each port can be easily connected to a server, hub, router or switch with a straight cable or a crossover cable.

General
Color: Black

Miscellaneous
Grade Commercial
Data rate Gigabit Ethernet

This datasheet was created automatically on 08-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

24-Port Gigabit Switch

PoE Supported No
Manageable No
Fanless Yes
Concurrent ports 24.00 ports

Others
Approvals and Compliance
● CE
● RoHS
Operating humidity 5% RH ~ 90% RH
Operating temperature -10°C ~ 55°C
Storage humidity 5% RH ~ 95% RH
Storage temperature -40°C ~ 75°C
scope of delivery
● GEU-2431
● Power cord
● 19" Rack Mount Kit
● Quick Installation Guide
● Declaration of Conformity

Physical Specifications
Product weight (kg) 1.6
Dimensions (W x D x H) 440 x 140 x 45 mm

System specifications
Energy consumption 25W
Standards ● IEEE 802.3 10-BASE-T, Ethernet
● IEEE 802.3u 100-BASE-TX, Fast Ethernet
● IEEE 802.3ab 1000Base-T Gigabit Ethernet
● IEEE802.3x Flow Control and Back Pressure
Power supply 100-240V AC, 50-60Hz, 1A
Attachment 19" rack mount, desk mount
RAM size 4.1 MB
MAC address table 8K
Jumbo frames (KB) 9 KB
Indicator ● Power
● Link/Act/Speed
Micro switch NOM (Standard Normal), VLAN (Port1-22 isolation; Port23-24 uplink), CENK (Flow Control Mode)
Packet buffer 40.32 Mpps
Backplane (Gbit/s) 48 Gbps

Technical properties	
10 Gigabit Ethernet	False
Ethernet	True
Fast Ethernet	True

This datasheet was created automatically on 08-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

24-Port Gigabit Switch

Gigabit Ethernet	True
Manageable	False
Manufacturer	LevelOne
Mounting method	482.6 mm (19 inch) mounting
Number of ports 10/100/1000 Mbps RJ45	24

Available variants

ArtNr.	Bezeichnung	Unique
GEU-2431	24-Port Gigabit Switch	Unique

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION