DATASHEET

28-Port L2 Managed Gigabit-PoE-Switch,4x Gigabit SFP 24x PoE-Ports







General data

24 Gigabit PoE+ ports and 4 Gigabit SFP slots
390W PoE budget, up to 30W per port
IEEE 802.3af/at PoE compliant for easy installation and deployment
Working temperature range from -10℃ to 50℃
6KV surge, 6KV contact and 8KV air ESD protection

The LevelOne GEP-2861 is a 28-port L2 managed gigabit PoE switch that comes with 24 RJ45 10/100/1000Mbit PoE ports and 4 1000Mbit SFP ports are equipped. The 24 RJ45 ports support PoE+ and have a total PoE power budget of 390W. These fully comply with the IEEE 802.3af/at standard, where the PoE power of a single port can be up to 30W. It supports Layer2 management such as QoS, VLAN, MSTP, multi-brocast, ports management and PoE management. It has high anti-interference capability and includes 6KV surge protection and 6KV contact and 8KV air ESD protection. The GEP-2861 is suitable for 19" rack mount and desktop installation, reliable and durable, and can be used in security networks for video surveillance, network engineering or other purposes. It also offers high hardware performance and environmental flexibility for SMBs and Enterprises The GEP-2861 is ideal for easy management, optimal usability and low total cost of ownership

General
Color: Black

This datasheet was created automatically on 15-11-2026 . 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

28-Port L2 Managed Gigabit-PoE-Switch,4x Gigabit SFP 24x PoE-Ports

Features
Quality of Service (QoS):
● 8 hardware priority queues per port
● Traffic classification based on IEEE 802.1p CoS
● IPv4/IPv6 precedence/ type of service (ToS) / DSCP based Rate Limiting - Ingress policer egress shaping and rate control

Spanning tree:
● Bridge Protocol Data Units (BPDU) 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)
● Virtual Local Area Network (VLAN): 802.1Q tag-based VLAN - up to 4K VLANs and 4K VLAN IDs Port-based VLAN
● Port isolation
● Port Mirror/Remote Mirror
● Broadcast / Multicast / Unknown Storm Control 802.1X
● ACL
● Port Security
● MAC filters
● IP Source Guard SSH
● System Password protection NTP/SNTP
● Firmware upgrade/download (HTTP/TFTP/FTP) RMON/ SNMP
● Management Access (Console / SNMP/ Web / Telnet) Memory Flash Log
● Event/Error Log DHCP v4/v6 Snooping
● DHCP Snooping Option82

Miscellaneous
Grade Commercial
Data rate Gigabit Ethernet
PoE Supported Yes
Manageable Yes
Fanless No
Concurrent ports 28.00 ports
PoE power budget 390.00 watts
Non-disclosure
Embedded system VxWorks

Others
Approvals and compliance CE, RoHS
Operating humidity 0%RH ~ 95%RH
Operating temperature -10°C ~ 50°C
Storage temperature -40°C ~ 85°C
scope of delivery
● GEP-2861

This datasheet was created automatically on 15-11-2026 . 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

28-Port L2 Managed Gigabit-PoE-Switch,4x Gigabit SFP 24x PoE-Ports

● Power cord
● 19" Rack Mount Kit
● Quick Installation Guide
● EU Declaration of Conformity
performance
Switching capacity 56 Gbps
Physical Specifications
Product weight (kg) 4
Dimensions (W x D x H) 442 x 285 x 44 mm
System specifications
Standards
● IEEE 802.3 10-BASE-T
● IEEE 802.3u 100-BASE-TX, Fast Ethernet
● IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
● IEEE 802.3z 1000BASE-X, Gigabit Ethernet
● IEEE 802.1p Quality of Service (QoS)
● IEEE 802.1Q Virtual LANs (VLANs)
● IEEE 802.1d 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
● IEEE 802.3ad Link Aggregation Control Protocol (LACP), LACP Trunk (8 Trunks)
● IEEE 802.3af (PoE)
● IEEE 802.3at (PoE+)
Power supply AC power
Pin assignment and polarity 1/2 (+), 3/6 (-)
Attachment 19" rack mount, desk mount
MAC address table 16K
Jumbo frames (KB) 10
indicator
● System
● Link/Active/Speed
● PoE
Packet buffer 4 Mbits

Technical properties	
10 Gigabit Ethernet	False
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	True
Manageable	True
Manufacturer	LevelOne
Mounting method	482.6 mm (19 inch) mounting

This datasheet was created automatically on 15-11-2026 . 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

28-Port L2 Managed Gigabit-PoE-Switch,4x Gigabit SFP 24x PoE-Ports

Number of ports PoE	24
Power over Ethernet (PoE)	802.3 at (PoE+)

Available variants

ArtNr.	Bezeichnung	Max. PoE power
GEP-2861	28-Port L2 Managed Gigabit-PoE-Switch,4x Gigabit SFP 24x PoE-Ports	390 W

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