



LevelOne's GEP-0823 is an 8-port gigabit PoE switch providing power over Ethernet to all 8 ports. Each PoE port supplies a maximum power of 30W. The total power budget through the PoE ports is 120W. This solution is ideal for professional and residential users who use both PoE and non-PoE devices.

The 8 PoE ports of the GEP-0823 switch make it an ideal solution for professional users using PoE devices and looking to power a larger number of PoE devices, such as PoE IP phones,

PoE Wi-Fi access points, and PoE IP cameras. The GEP-0823 switch is highly recommended for professionals looking to upgrade their office equipment and LAN infrastructure to PoE functionality or their existing PoE infrastructure to gigabit speed. It automatically detects IEEE 802.3at/af compliant devices connected to it and delivers power and data through a single cable.

The GEP-0823 switch also provides users with a stable and reliable high-speed LAN environment, featuring a storage-transfer switching

architecture and error packet filtering and non-blocking packet transfer capabilities. The 802.3x flow control mechanisms operate in Full-Duplex and Half-Duplex modes, respectively. This device also supports the N-way auto-negotiation protocol, which automatically detects network speed and Duplex mode.

For instant fault detection, the GEP-0823 switch is equipped with a full set of LEDs to detect network faults for troubleshooting purposes.

PRODUCT INFORMATION

MAIN FEATURES

- Compliant with IEEE 802.3at/af PoE standard for simplified deployment and installation
- Vitesse filaire de transmission et de réception des données de 10/100/1 000 Mbit/s
- Automatic detection and protection of non-standard PoE devices
- IEEE 802.3x flow control system for optimal protection against packet loss for reliable data transmission
- Total PoE power budget: 120 W, with up to 30 W per port

SYSTEM FEATURES

Standards	IEEE 802.3 10-BASE-T, Ethernet IEEE 802.3u 100-BASE-TX, Fast Ethernet IEEE 802.3ab 1000BASE-T, gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3af Power over Ethernet Power over Ethernet Plus (PoE+)
Memory:	1 Mo
Buffer memory:	8K
Port:	8 ports PoE RJ-45 10/100/1000Base-TX
Indicator:	Feeding, activation, 10/100/1 000 M
Pin assignment and polarity :	1/2(+), 3/6(-) mode A 4/5(+), 7/8(-) mode B (en option)
Transmission method:	Stockage et transfert
Power input:	52 VCC, 2,5 A, 130 W
Power output:	< 120 W
Electric consumption:	< 10 W
Rear panel (Gbit/s):	16 Gb
MAC address table:	8K
Data rate:	10/100/1 000 Mbit/s

PHYSICAL SPECIFICATIONS

Dimensions (L x W x H mm)	170,50 × 80,50 × 30,00 mm
Weight (g)	900

Package contents	GEP-0823 Quick Installation Guide Adapter with Power Cord
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FEATURES

PoE:
Power rating: 120 W max.
PoE Standards: IEEE 802.3af/at Power over Ethernet/PSE
Classification of powered devices identity
Protection against PoE overcurrents
Protection of PoE circuit sorting
Power supply output PoE: 56 VDC, 15.4 watts (IEEE 802.3af) or maximum of 30 watts (IEEE 802.3at) per port

REPRESENTATIONS

Extended Frame (K):	9 126 octets
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ENVIRONMENTAL CONDITIONS

Operating temperature (°C): -20 °C to 70 °C
Operating humidity (without condensation):
5 % à 90 %
Storage temperature (°C): -20 °C to 70 °C
Storage humidity (non-condensing): 5% to 90%

RELIABILITY

MTBF :	30 000 heures
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APPROVAL AND COMPLIANCE

EMI/EMS :	CE, FCC
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Order information	GEP-0823
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