

GEP-0531 5-Port Gigabit PoE Switch, 802.3af/at/bt PoE, 4 PoE Outputs, 60W Power Budget, Long-Range PoE with Watchdog

Product Images



Short Description

- **Flexible Gigabit PoE:** 5-port Gigabit desktop switch with 4 PoE ports and 1 uplink port for small office and home deployments.
- **High-Power Hi-PoE:** IEEE 802.3af/at/bt support with Port 1 delivering up to 60W for PTZ cameras and high-power access points.
- **60W PoE Budget:** Total 60W PoE power shared across 4 ports, with up to 30W available on Ports 2–4.
- **DIP-Switch Control:** Hardware switch enables PoE Watchdog, Isolation and Extension modes without software configuration.
- **PoE Watchdog:** Automatically detects and reboots unresponsive PoE devices to keep cameras and APs online.
- **Long-Range PoE:** Extension mode supports PoE transmission up to 300 m at 10 Mbps on Ports 3 and 4 for distant endpoints.
- **Enhanced Protection:** 6KV surge protection improves reliability in unstable or harsh electrical environments.
- **Easy Deployment:** Auto-negotiation and auto-MDI/MDIX on all ports with simple plug-and-play installation.
- **Ideal for:** IP surveillance, wireless coverage and VoIP in small offices, SOHO and remote work setups.

Description

The LevelOne GEP-0531 is a compact 5-port Gigabit PoE switch designed for small offices, home networks and remote work environments that need to power IP cameras, wireless access points and VoIP phones over a single Ethernet cable. It provides 4 PoE-capable ports and 1 Gigabit uplink, delivering reliable Gigabit connectivity for mixed PoE and non-PoE deployments.

Compliant with IEEE 802.3af/at/bt, the switch offers a total PoE power budget of 60W. Ports 2–4 support up to 30W each, while Port 1 supports Hi-PoE up to 60W under the IEEE 802.3bt standard, making it ideal for higher-power devices such as PTZ cameras or high-performance wireless access points. Automatic device detection simplifies installation and helps prevent damage to non-PoE equipment.

The built-in DIP switch enables three practical operating modes to adapt to different installation scenarios. PoE Watchdog mode automatically detects and restarts unresponsive PoE devices, improving uptime for remote cameras and access points. Isolation mode separates downlink ports to enhance LAN security, while Extension mode allows PoE transmission distances of up to 300 meters at 10 Mbps on Ports 3 and 4, ideal for long corridors, parking lots or outdoor camera runs.

With 6KV surge protection on each port, the GEP-0531 is better prepared for electrical interference and unstable power conditions often found in real-world environments. Its plug-and-play design, compact housing and flexible PoE features make it a powerful and cost-effective choice for building or upgrading small surveillance, wireless and VoIP networks.

Features.	Long Range: Ports 3 to 4: up to 300 m . Isolation: Ports 1 to 4: port isolation mode to improve network security. PoE Watchdog : Ports 1 to 4: auto detect and restart the cameras that do not respond.
PoE Power Budget.	Total 60.00
PoE Supported.	Yes
Concurrent ports.	Total 5.00
Fanless.	Yes
Manageable.	No
Grade.	Commercial
Color.	Grey
EAN.	4015867241103
Model Number.	GEP-0531
Dimensions (W x D x H).	121 × 88.1× 27.6 mm
Product weight (kg).	0.27
Power consumption.	5 W
Backplane (Gbps).	10
Data Rate.	1Gbps
Dip switch.	Long Range / Port Isolation / Watchdog
Flash memory size.	1Mbits
Packet forwarding rate.	7.44 Mpps
Indicators.	Link/PoE
MAC address table.	2K
Mount.	Wall mount
Packet buffer.	1 Mbits
Pin assignment and polarity.	1/2 (+), 3/6 (-) & 4/5 (+), 7/8 (-)
Port Configuration.	4 × Gigabit PoE port, 1 × Gigabit RJ45 port

Power input.	VDC 48/1.36A
Power Output.	VDC 48
Power supply.	VDC 48 /1.35A
Power supply included.	Yes
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 (PoE), IEEE 802.3at Power over Ethernet Plus (PoE+), IEEE 802.3bt Power over Ethernet Plus (PoE++)
Approval and Compliance.	CE/FCC/UL
Operating humidity.	5% RH ~ 95% RH
Operating temperature.	0°C ~ 40°C
Storage humidity.	5% RH ~ 95% RH
Storage temperature.	-45°C ~ 85°C
Package Contents.	Power Cord Power adapter Quick Installation Guide Declaration of Conformity

