



The Ganz™ GNET GLFE4+1SMSPOE(C,U) is a five-port Ethernet switch with uplink management functionality and provides 4 copper ports operating at 10/100Mbps and is designed to combine four electrical ports into a single electrical Cat5, UTP or Coax CopperLine® port that forwards this data to the next network device. There is no programming required to use this product. The units come pre-programmed, preventing network video flooding with DIP switch selection of the fifth electrical port as uplink or as an unmanaged switch. Ports 1–4 of the GLFE4+1SMSPOE can supply up to thirty (30) watts of Power over Ethernet (PoE) and incorporate PoE+ features based on the IEEE 802.3at standard. It is “Plug-and-Play”.

FEATURES

- › No Programming Required
- › 10/100 Mbps Ethernet
 - 4 × 10/100 BASE-T/TX electrical ports with optional PoE+
 - 1 × 10/1000Mbps CopperLine electrical uplink
- › Electrical ports support Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.
- › Pre-programmed Port for uplink
- › Full 10/100 Mbps Bandwidth
- › Supports Multicast, Unicast and Jumbo Frame
- › Automatic MDI/MDI-X crossover
- › Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- › Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.
- › Power and Activity status LED indicators
- › Hot-swappable rack modules
- › Interchangeable between stand-alone or rack mount use, or can be DIN-Rail mounted with optional kit
- › IEEE 802.3 compliant
- › Lifetime Warranty

APPLICATIONS

- › IP Video Applications
- › CCTV systems for casinos, airports, school campuses
- › Retrofit of existing analog CCTV installations to Ethernet based systems



SPECIFICATIONS

Ethernet

Data Interface	Ethernet
Data Rate	10/100 Mbps
	IEEE 802.3 Compliant
	Full Duplex or Half Duplex Electrical Ports
Standards	IEEE 802.3at PoE+, RFC: 768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet.

Connectors

Operating Power	Terminal Block
Ethernet	RJ-45
Extended Distance	Coaxial (C): female BNC Ethernet (U): RJ-45

LED Indicators

- Electrical Link/Data Activity
- Power
- Power over Ethernet (PoE+)
- Extension Link/Activity

Power

Operating Voltage	48 to 56VDC	Low Power Consumption
Power Consumption	130W Max	

Electrical & Mechanical

Surface Mount	Wall or Flat Surface Screw Attachment
Number of Rack Slots	1 (Although the units may be mounted inside a Ganz rack they must be powered by an external 48-56VDC PSU.)
Current Protection	Automatic Resettable Solid-State Current Limiters
Circuit Board	Meets IPC Standard
Size (LxWxH)	6.1 x 5.3 x 1.1 in (15.5 x 13.5 x 2.8 cm)
Shipping Weight	<2 lbs./0.9 kg

Environmental

MTBF	>100,000 hours
Operating Temp	-40° C to +75° C UL Safety certifications conducted at maximum ambient temperatures (T_{max}) of 65°C
Storage Temp	-40° C to +85° C
Relative Humidity	0% to 95% (non-condensing) ²

ORDERING INFORMATION

Part Number Description

GLFE4+1SMSPOEC	4 Port 10/100 Mbps Ethernet Self-managed Switch with PoE+, with Coaxial CopperLine uplink port
GLFE4+1SMSPOEU	4 Port 10/100 Mbps Ethernet Self-managed Switch with PoE+, with UTP CopperLine uplink port

Options For PoE units order suitable PoE power supply (sold separately)
 [2] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)
 DIN-Rail Mounting Adaptor Plate Kit - With Mounting Hardware (sold separately, order model DINBKT1 or DINBKT4)

AGENCY COMPLIANCE

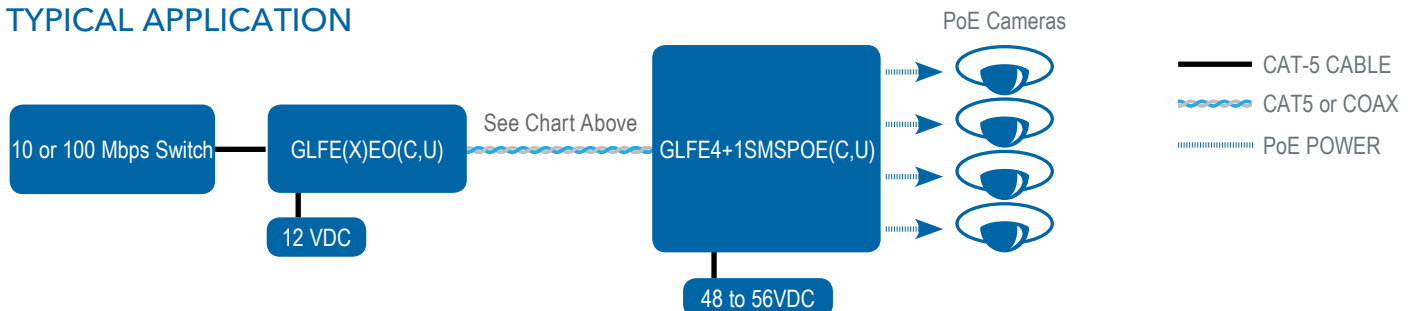


MAXIMUM TRANSMISSION DISTANCES³

Media	COAX - RG59/U		UTP - 4 pair		UTP - 1 pair	
	10M	100M	10M	100M	10M	100M
Data Rate	10M	100M	10M	100M	10M	100M
Extended Distance ³	5,000 ft 1,524 m	2,000 ft 610 m	3,000 ft 914 m	2,000 ft 610 m	3,000 ft 914 m	1,000 ft 305 m

[3] Distance figures are obtained using in-house testing mirroring installations. Factors such as coaxial/copper cable quality, the number of connectors/splices in the cable run, and environmental conditions encountered within the installation may affect the actual transmission distance, and should be taken into consideration.

TYPICAL APPLICATION



All specifications are subject to change without notice.

