Galaxy®

4-port Fast Ethernet PoE Switch
Layer 2 Commercial Switch

- Layer 2 Commercial Switch
- Long-distance PoE (LD PoE) Transmits Power and Data 250 m (820 ft)
- Conforms to IEEE802.3, IEEE802.3u and IEEE802.3X
- Conforms to IEEE802.3af and IEEE803.3at
- Supports Hi-PoE (60 W)
- MAC Auto-learning and Aging; 2K MAC Address Capacity
- MDI/MDIX Self-adaptation
- Metal Enclosure

System Overview

The GX-POE-SW4P-2G-60 commercial PoE switch is specially designed for long-distance video transmission applications. The switch uses LD PoE technology to transmit power and data up to 250 m (820 ft). LD PoE extends transmission distances beyond the industry-standard 100 m, even with third-party PoE-compliant cameras. The switch provides four (4) 10/100 Mbps PoE ports and two (2) 100 Mbps uplink ports. The switch is also equipped with two transmission modes, Default and Extend, that are set by on-bard dip switches.

Technical Specification

Ethernet Ports	Two (2) 10/100 Mbps Uplink Ports Four (4) 10/100 Mbps PoE Ports)

PoE Features	• Protocol: IEEE802.3af, IEEE802.3at, Hi-PoE
	• Consumption:
	  Port 1: ≤ 60 W
	  Ports 2-4: ≤ 30 W per Port
	• Total PoE Budget: 60 W

Switching Capacity	1.8 Gbps
Packet Forwarding Rate	890 kpps
Packet Buffer Memory	768 Kb
MAC Table Size	2K
Flow Control	Enabled (by default)
Power Requirements	48 VDC to 57 VDC
Working Temperature	−10° C to 55° C (14° F to 131° F)
Application Humidity	10% to 90%
Dimensions (W x D x H)	130.0 mm x 85.0 mm x 26.0 mm (5.12 in. x 3.35 in. x 1.02 in.)
Weight	0.30 kg (0.66 lb)

Certifications

Safety	UL Certification Pending
Electromagnetic Compatibility (EMC)	FCC CFR 47 FCC Part 15 Subpart B Conforms to CE Standards
Lightning Protection	Common Mode: 2KV Differential Mode: 0.5KV

Ordering Information

Type	Part Number	Description
PoE Switch	GX-POE-SW4P-2G-60	4-port Layer 2 Commercial PoE Switch