

Product Specifications

10/100/1000 Unmanaged Industrial PoE+ Switches

KEY FEATURES

- Supports PoE+ (30 watt) Power Source Equipment (PSE)
- MAC address capacity of 8K
- Supports 9.6K bytes jumbo frames
- 2,000 V DC power line EFT protection & 6000 V DC Ethernet ESD protection
- Redundant 48 - 55 V DC terminal block power input
- IP30 protection metal case

The Signamax 10/100/1000 Unmanaged Industrial PoE+ Switches are designed to operate in rugged environments with extreme temperature conditions. There is a choice of a 5 to 8-port 10/100/1000BaseT/TX PoE+ plus 2-100/1000Base SFP ports with the 5-port offering 4-PoE+ ports.

ORDERING INFORMATION

PART NO.	DESCRIPTION
065-7407GPOEP	5-Port 10/100/1000BaseT/TX Unmanaged Industrial PoE+ Switch with 4-PoE+ Ports plus 2-100/1000Base SFP ports
065-7410GPOEP	8-Port 10/100/1000BaseT/TX Unmanaged Industrial PoE+ Switch plus 2-100/1000Base SFP ports

SPECIFICATIONS

Applicable Standards

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 IEEE 802.3ab 1000BaseT
 IEEE 802.3z 1000BaseSX/LX
 IEEE 802.3af PoE (15.4 watt)
 IEEE 802.3at PoE+ (30 watt)

Ports

P/N 065-7407GPOEP: 4 - RJ-45 10/100/1000 Auto-Negotiation, Auto-MDI/MDIX ports, plus 1 - 10/100/1000 Auto-Negotiation, Auto-MDI/MDIX port plus 2 - 100/1000 Dual Rate SFP ports
P/N 065-7410GPOEP: 8 - RJ-45 10/100/1000 Auto-Negotiation, Auto-MDI/MDIX ports, plus 2 - 100/1000 Dual Rate SFP ports

Performance

Latency: <4.5 μ s (LIFO).
Throughput, per port: 1.48810 million pps (64-byte packets)
Switch Fabric Speed: 20.0 Gbps (non-blocking, wire speed performance)
MAC Address Capacity: 8K

Physical Characteristics

P/N 065-7407GPOEP:
Dimensions: 1.18" W x 3.90" D x 5.59" H (30 mm x 99 mm x 142 mm)
Weight: 1.27 lbs. (576 g.)
P/N 065-7410GPOEP:
Dimensions: 1.81" W x 3.85" D x 5.59" H (46 mm x 98 mm x 142 mm)
Weight: 1.69 lbs. (766 g.)
Housing: IP30 protection, metal case. Pre-attached DIN-rail and wall mounting kit included.



Their extended temperature ranges from -40°F to 167°F (-40°C to 75°C). Both switches are offered in a compact, all-metal IP30 case with built-in DIN-rail mounting. The advantage of PoE+ support allows these switches to handle Pan/Tilt/Zoom for IP security camera requirements.

LED Status Indicators

Per Switch: Power Unit: P1 (Green), P2 (Green), fault (Red)
Per Port: Ethernet port: Link/Activity (Green), 1000 Mbps; SFP: Link/Activity (Green)

Environmental Requirements

Operating Temperature: -40°F to 167°F (-40°C to 75°C)
Storage Temperature: -40°F to 185°F (-40°C to 85°C)
Operating Humidity: 5 to 95% (non-condensing)

Electrical Characteristics

Maximum Total Power Consumption:

P/N 065-7407GPOEP: Full load with 4 ports PoE+ (30 W for each PoE port): 110 Watts @ 48 V, 130 Watts @ 51-55 V
P/N 065-7410GPOEP: Full load with 8 ports PoE+ (30 W for each PoE port): 210 Watts @ 48 V, 250 Watts @ 51-55 V

Certifications

Safety: UL 61010

EMI: FCC

EMS: ESD Standards (IEC 61000-4-2); Radiated FRI Standards (IEC 61000-4-3); Burst Standards (IEC 61000-4-4); Surge Standards (IEC 61000-4-5); Induced RFI Standards (IEC 61000-4-6); Magnetic Field Standards (IEC 61000-4-8); Voltage Dip Standards (IEC 61000-4-11)

Environmental Test Compliance: Vibration Resistance (IEC 60068-2-6fc); Shock (IEC 60068-2-27); Free Fall (IEC 60068-2-32 Ed)

Warranty

Five Years