

## 10/100/100 Unmanaged Industrial PoE+ Switches

- Supports PoE+ (30 watt) Power Source Equipment (PSE)
- All Copper ports support auto MDI/MDI-X function
- Store-and-forward switching architecture
- 8K MAC Address Table
- Supports 9.6 Kbytes Jumbo Frame
- 2,000 V DC Power line EFT protection & 6000 V DC Ethernet ESD protection
- DC 48 to 55 Volt redundant power input
- IP30 protection metal case
- Full wire-speed forwarding rate
- -40°F to 167°F (-40°C to 75°C) operating temperature range



Signamax 10/100/1000 Unmanaged Industrial PoE+ Switches are designed to operate in rugged environments with extreme temperature conditions. They are equipped with two different 10/100/1000 port configurations. Both switches are offered in a

compact, all-metal IP30 case with built-in DIN-rail mounting. These PoE+ switches function at temperatures ranging from -40° F to 167° (-40°C to 75° C). PoE+ support allows these switches to handle PTZ IP security camera requirements.

### Ordering Information

PART NO.	DESCRIPTION
065-7407GPOEP	5-port 10/100/1000 Unmanaged Industrial PoE+ Switch with 4-PoE+ Port plus 2-100/1000 Dual Rate SFP Ports
065-7410GPOEP	8-port 10/100/1000 Unmanaged Industrial PoE+ Switch plus 2-100/1000 Dual Rate 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 Power over Ethernet (PoE, 15.4 watt)  
 IEEE 802.3at Power over Ethernet (PoE+, 30 watt)

#### Ports

**P/N 065-7407GPOEP:** 4 - RJ-45 10/100/1000 ports supporting IEEE 802.3at PoE+ at full 30 watts power per port plus 1 - 10/100/1000 port plus 2 -100/1000 Dual Rate SFP ports  
**P/N 065-7910HPOEP:** 8 - RJ-45 10/100/1000 ports supporting IEEE 802.3at PoE+ at full 30 watts power per port plus 2 -100/1000 Dual Rate SFP ports

#### LED Status Indicators

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

#### Performance

**Latency:** <4.5 μs (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:** 8 K MAC addresses

#### Certifications

**Safety:** UL 508 (pending)  
**EMI:** FCC Part 15 Subpart B Class A  
**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)

#### Certifications

**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)**

#### Physical Characteristics

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

#### 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% RH, non-condensing

#### Electrical Characteristics

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

#### Warranty

Five Years