

SIGNAMAX™

065-7309POEP-FP



Overview

The Signamax 065-7309POEP-FP PoE/PoE+ Switch complies with IEEE 802.3af/at standards, with Power over Ethernet supplied over Category 5 or better cable at distances within 100 meters, supporting IEEE 802.3af/at terminal devices as a PoE Power Source Equipment (PSE). In addition, when a device other than a PoE Powered Device (PD) is connected to a PoE-equipped port, the switch will not supply PoE power to that port, ensuring safety for data-only connections.

This device provides full 30 watt power to all eight PoE/PoE+-capable ports simultaneously. It has a 1U rack mount form factor, with the rack mounting hardware included.

PoE switches supply power and transfer data by using network cables; network cables do not require a qualified electrician to install them, and can be located anywhere, reducing the time and expense of having electrical power cabling installed.

The Signamax 065-7309POEP-FP is the ideal choice for those who desire to economically deploy wireless access points, IP cameras, access control devices, and IP telephones.

Key features:

- **IEEE 802.3af/at Power over Ethernet PoE/PoE+ compliant.**
- **Supports eight (8) 10/100Mbps Fast Ethernet 10/100BaseT/TX PoE/PoE+ ports with 1 Gigabit Dual Media uplink port (9 ports total).**
- **Provides up to 30 watts for each PoE port. (250 watts total power supply).**
- **Automatically detects presence of and the PoE Power Class level of a Powered Device.**
- **3.6 Gbps switching bandwidth. Full wire-speed non-blocking reception and transmission.**
- **Forwarding rate:**
 - **1000 Mbps: 1,488,000 pps**
 - **100 Mbps: 148,800 pps**
 - **10 Mbps: 14,880 pps**
- **Status LEDs:**
 - **System power**
 - **PoE**
 - **100 Mbps**
 - **Link / Activity**
- **Store-and-forward switching method.**
- **Back pressure Flow Control for Half-Duplex mode.**
- **IEEE 802.3x Flow Control for Full-Duplex mode.**
- **Plug and Play.**

User Guide:

1. Check the PoE switch:

- 1. Please check the enclosure, the RJ-45 ports, and the LED indicators, making sure they are ok.**
- 2. Connect the PoE switch to AC power, making sure the initialization of the PoE switch occurs as below:**
 - POE indicator is off when power is connected.**
 - POW indicator is on and remains on after connection to AC power.**
 - Other indicators will be on, then off after one or two seconds.**

2. Cable connection:

- 1. Connect the Switch to Computer or other PD (such as an IP camera or wireless AP) by Cat. 5 or better cables.**
- 2. Connect the external power cord to the Switch and the power cord to AC plug**
- 3. Turn on the switch**

Caution:

- 1) All operation should be provided only by a qualified service technician.**
- 2) Make sure the PDs you connected to the Switch are compliant with IEEE 802.3af or 802.3at.**
- 3) Make sure the power is off before unplugging the AC power.**
- 4) Makes sure all PoE PDs power consumption is less than total power**
- 5) Please avoid any heavy thing placed on the Switch.**
- 6) Do not use this product near water, for example, in a wet basement or near a swimming pool.**
- 7) Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.**
- 8) For outdoor use, the Switch itself should be housed inside a protective enclosure.**
- 9) Cutting power during a firmware upgrade can damage your device.**
- 10) Only use attachments/accessories specified by the manufacturer.**
- 11) Opening the switch or tampering with the warranty sticker can void your warranty.**

Technical Specifications:

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|-----------------------------|---|
| Applicable Standards | IEEE 802.3i 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X (via SFP module) IEEE 802.3x Flow Control IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet |
| Network ports | 10/100 Mbps PoE/PoE+ port (ports 1-8) 10/100/1000 Mbps Uplink (port 9) 10/100M/1000Mbps SFP (shared with port 9) |
| Speed | PoE/PoE+-capable ports: 10/100BaseT/TX High-Speed Uplink Port: 10/100/1000BaseT/TX or 1000Base SFP |
| Performance | Bandwidth: 3.6 Gbps Network delay 100 to 100M bps: Max 20 microsecond Packet buffer memory: 96 KB Database size: 1,024 MAC addresses Forwarding Rates: 1000 Mbps/ 1,488,000 pps, 100 Mbps / 148,800 pps, 10 Mbps / 14,880 pps |
| LED indicator | Power, PoE, Link / Activity |
| Power supply | Internal 250 Watt power supply |
| Size | Dimensions: 17.3 x 7.09 x 1.73 in. W x D x H (440 x180 x 44 mm) Weight: 6.17 lb. (2.8 kg) |
| Environment | Operating Temperature: 32°F~104°F (0°C~40°C) Storage Temperature: 14°F~158°F (-10°C~70°C) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing |
| Safety | CE/LVD |
| Certification | CE FCC ROHS |
| Warranty | Limited 5-year warranty |

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