

## ETHERNET SWITCHES

The Signamax hardened series compact Fast Ethernet Switches are equipped with 5-port 10/100Base-TX or 4-port 10/100Base-TX plus 1-port 100Base-FX. By using standard auto-negotiation and the inclusion of auto-MDIX, Signamax provides a cost-effective way of integrating legacy 10Mbps networks with 100Mbps Fast Ethernet networks. The TX ports auto-negotiate for 10/100Mbps speed and auto-detect Full or Half-duplex mode. The fiber port accommodates SC and ST with a fiber connection between two nodes that can reach up to 120Km (74.4miles). The Signamax hardened switch series can be DIN-Rail mounted and is equipped with Terminal Block power input to match the applications that require an Ethernet Switch.

# Signamax Hardened Series Compact Fast Ethernet Switches

## FEATURES

- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 2048 MAC addresses
- 384 K bits buffer memory
- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- 0.1A 24VDC Power inputs
- -10°C to 60°C (14°F to 140°F) operating temperature range
- Industrial plastic case
- Supports DIN-Rail Mounting installation
- Full wire-speed forwarding rate



## SPECIFICATIONS

### STANDARD

IEEE802.3 10Base-T  
IEEE802.3u 100Base-TX/100Base-FX  
IEEE802.3x

### PERFORMANCE

#### Forward and Filtering Rate:

14,880pps for 10Mbps  
148,810pps for 100Mbps

**Packet Buffer Memory:** 384K bits

#### Processing Type:

Store-and-Forward  
Half-duplex back-pressure and IEEE802.3x full-duplex flow control

**Address Table Size:** 2048 MAC addresses

**Latency:** Less than 5.1µs

### LEDs

Per Unit: Power Status (Power 1, Power 2)

Per Port: 10/100TX, 100FX: Link/Activity (Green), Speed (Yellow)

### PHYSICAL CHARACTERISTICS

#### Power Input:

**Input Voltage:** 12 to 48VDC (Terminal Block)

**Input Current:** 0.1A Max. (Terminal Block)

**Power Consumption:** 2.4W Max.

**Reverse Polarity Protection:** Present

**Mechanical Casing:** Plastic case

**Dimensions:** 25mm (W) x 70mm (D) x 110mm (H)

**Weight:** 0.2Kg

**Installation:** DIN-Rail Mounting

**Environment Operating Temperature:** -10-60 °C

**Storage Temperature:** -25-85°C

**Ambient Relative Humidity:** 10-95% (non-condensing)

### REGULATORY APPROVALS EMISSION COMPLIANCE:

FCC Part 15, Class A

CE

### SAFETY

UL 60950

## Signamax Hardened Series Compact Fast Ethernet Switches

PART NO.	DESCRIPTION
065-7405	Hardened Unmanaged Switch with 5-port 10/100Base-TX
065-74051	Hardened Unmanaged Switch with 4-port 10/100Base-TX + 1-port 100Base-FX SC, MM
065-74052	Hardened Unmanaged Switch with 4-port 10/100Base-TX + 1-port 100Base-FX SC, SM
065-7401	Hardened Unmanaged Switch with 1-port 10/100Base-TX + 1-port 100Base-FX SC, MM
065-7402	Hardened Unmanaged Switch with 1-port 10/100Base-TX + 1-port 100Base-FX SC, SM