



Hardened 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 10 Mbps networks with 100 Mbps Fast Ethernet networks. The TX ports auto-negotiate for 10/100 Mbps 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 120 Km (74.4 miles). 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.



Model 065-7405



Model 065-74081



Model 065-7408

Hardened Ethernet Switches

PART NO.	DESCRIPTION
065-7405	Hardened Unmanaged Switch with 5-Port 10/100BaseT/TX
065-74051	Hardened Unmanaged Switch with 4-Port 10/100BaseT/TX + 1-Port 100BaseFX SC, MM
065-74052	Hardened Unmanaged Switch with 4-Port 10/100BaseT/TX + 1-Port 100BaseFX SC, SM
065-7401	Hardened Unmanaged Switch with 1-Port 10/100BaseT/TX + 1-Port 100BaseFX SC, MM
065-7402	Hardened Unmanaged Switch with 1-Port 10/100BaseT/TX + 1-Port 100BaseFX SC, SM
065-7408	Hardened Unmanaged Switch with 8-Port 10/100BaseT/TX
065-74081	Hardened Unmanaged Switch with 8-Port 10/100BaseT/TX + 1-Port 100BaseFX SC, MM
065-74082	Hardened Unmanaged Switch with 6-Port 10/100BaseT/TX + 2-Port 100BaseFX SC, MM
065-74084	Hardened Unmanaged Switch with 4-Port 10/100BaseT/TX + 4-Port 100BaseFX SC, MM

SPECIFICATIONS

STANDARD

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

PERFORMANCE

Forward and Filtering Rate:

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

Packet Buffer Memory: 384 Kbits

Processing Type:

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

Address Table Size: 2,048 MAC addresses

Latency: Less than 5.1 µs

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 48V DC (Terminal Block)

Input Current: 0.1A Max. (Terminal Block)

Power Consumption: 2.4W Max.

Reverse Polarity Protection: Present

Mechanical Casing: Plastic case

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

Weight: 0.2 Kg

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