

## 10/100 Unmanaged Compact Industrial 5-Port DIN-rail Mount Switch



Signamax Connectivity Systems' 065-7405CTB 5-Port 10/100 Unmanaged Compact Industrial DIN-rail Mount Switch has been developed to operate in harsh industrial environments that require equipment that can operate in extended temperature environments. These switches are an affordable solution for outdoor environments, shop floors, and other harsh environments where consistent operation at temperature extremes of 14°F to 140°F (-41°C to 60°C) is necessary and compact size is of paramount importance. This unmanaged switch is a compact, plug-and-play device that does not require complex user setup.

### KEY FEATURES

- Meets IEC61000-6-2 EMC Generic Standard Immunity for Industrial Environment.
- 10/100 Mbps – Full/Half Duplex, Auto-Negotiation, Auto-MDIX.
- 2048 MAC Addresses, 384K bits Buffer Memory, Full Wire-Speed Performance.
- 1.5 Amp rated, 24 V DC Terminal Block Power Input.  
(120-240V AC hardened external power supply sold separately.)
- Supports DIN-rail installations.

### ORDERING INFORMATION

PART NUMBER	DESCRIPTION
065-7405CTB	Unmanaged Industrial Switch with 5 10/100BaseT/TX ports, 24 V DC Redundant Power Terminal Block

### SPECIFICATIONS

- **APPLICABLE STANDARDS:**  
IEEE802.3 10BaseT  
IEEE802.3u 100BaseTX / 100BaseFX  
IEEE802.3x Flow Control and Back pressure
- **FIXED PORTS:**  
5 twisted-pair ports meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications; Category 5 or better cable, 100 meters maximum distance for 100BaseTX, Category 3 or better cable, 100 meters maximum distance for 10BaseT. Auto MDI/MDI-X and Auto-Negotiation Function supported.
- **SWITCH ARCHITECTURE:** Store and Forward; 384 kbits Buffer Memory; 2,048 MAC Addresses
- **PERFORMANCE:**  
**Forwarding Rate:** 14,880 pps for 10 Mbps, 148,800 pps for 100 Mbps  
**Latency:** less than 5.1  $\mu$ s
- **LED STATUS INDICATORS:**  
**Global:** Power1 (Green), Power2 (Green), Fault (Red)  
**10/100BaseT/TX Ports:** Link/Activity (Green), 100 Mbps Speed (Amber)
- **POWER INPUT REQUIREMENTS:**  
12 to 48 Volts DC Terminal Block. Optional hardened power supply sold separately.
- **POWER CONSUMPTION:** 12 V DC @ 0.2 A, 24 V DC @ 0.1 A, 48 V DC @ 0.05 A; 2.4 Watts Maximum.
- **INSTALLATION:**  
Included DIN-rail mount.

[www.signamax.com](http://www.signamax.com)

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**SPECIFICATIONS (continued)**

• **ENVIRONMENTAL CHARACTERISTICS:**

**Operating Temperature:** 14°F to 140°F (-10°C to 60°C)

**Storage Temperature:** -13°F to 185°F (-25°C to 85°C)

**Operating Humidity:** 5 to 95% (non-condensing)

• **PHYSICAL CHARACTERISTICS & CERTIFICATIONS:**

**Dimensions & Weight:** 1.02 in. x 2.76 in. x 4.33 in., W x D x H (26 mm x 70 mm x 110 mm); 1.76 lb (0.8 kg.)

**Housing:** IP30 protection, plastic case

**ESD Standards (IEC 61000-4-2):** Enclosure Contact: + / - 4KV; Criteria B; Enclosure Air: + / - 8KV; Criteria B

**Radiated FRI Standards (IEC 61000-4-3):** Enclosure Ports: 10V/m, 80 to 1000MHz; Criteria A

**Burst Standards (IEC 61000-4-4):** Enclosure Ports: + / - 4KV @ 2.5 KHz; Criteria B;

D.C. Power Ports: + / - 4KV; Criteria B;

A.C. Power Ports: + / - 4KV; Criteria B

**Surge Standards (IEC 61000-4-5):** Signal Ports: + / - 1KV; Line-to-earth; Criteria B

D.C. Power Ports: + / - 0.5KV; Line-to-earth; Criteria B

A.C. Power Ports: + / - 2KV; Line-to-earth; Criteria B

**Induced RFI Standards (IEC 61000-4-6):** Signal Ports: 10V @ 0.15 - 80MHz; Criteria A

D.C. Power Ports: 10V @ 0.15 - 80MHz; Criteria A

A.C. Power Ports: 10V @ 0.15 - 80MHz; Criteria A

Earth Ground Ports: 10V @ 0.15 - 80MHz; Criteria A

**Magnetic Field Standards (IEC 61000-4-8):** Enclosure Ports: 30A/m @ 50, 60Hz; Criteria A

**Voltage Dip Standards (IEC 61000-4-11):** A.C. Power Ports: 30% Reduction for 0.5 period; Criteria B

**Environmental Test Compliance:** (IEC 60068-2-6) Vibration Resistance: 5G @ 150Hz; Criterion 3

(Operation/Storage/Transport)

(IEC 60068-2-27) Shock: 25G @ 11ms (Half-Sine Shock Pulse; Operation); 50G @

11ms (Half-Sine Shock Pulse; Storage/Transport)

(IEC 60068-2-32) Free Fall: 1M (3.281ft.)

• **EMISSIONS:**

FCC Class A, Part 15; CE EN6100-6-2, CE EN6100-6-3

• **SAFETY:**

UL 60950, EN 60950, IEC 60950

• **WARRANTY:**

5 years