

7-Port 10/100 Unmanaged Switches + 1-Port 100BaseFX



Signamax' Connectivity Systems' Compact Fiber Access Switches provide the right port interfaces you need for fiber-extended networks. The 065-7111 series of switches allows cost-effective fiber extension to small workgroups and Programmable Logic Controller (PLC) clusters. These switches support enterprise-level network extension to outlying buildings in a campus environment, and can also extend process control networks over fiber to production or control machinery equipped with PLCs at Fast Ethernet speeds. These switches, to allow administrative and production networks to coexist on the same fiber link, transparently pass tagged VLAN and Quality of Service (QoS) packets used to separate and prioritize sub-networks.

KEY FEATURES

- Provides 7 Ports for 10/100 and 1 Port for 100FX
- True Non-Blocking Architecture
- Full Wire-Speed Forwarding Rate
- Store-and-Forward Mechanism
- Desktop or Wall-Mountable
- Back Pressure and IEEE802.3x Compliant Flow Control
- Front Panel Port Status LEDs
- Auto-MDIX on All Twisted Pair Ports
- Five-Year Performance Warranty

ORDERING INFORMATION

Part Number	Description
065-7111SC	7-Port 10/100 Unmanaged Switch + 1-Port 100FX MM/SC, 2 km
065-7111ST	7-Port 10/100 Unmanaged Switch + 1-Port 100FX MM/ST, 2 km
065-7111LC	7-Port 10/100 Unmanaged Switch + 1-Port 100FX MM/LC, 2 km (Special Order)
065-7111MT	7-Port 10/100 Unmanaged Switch + 1-Port 100FX MM/MT-RJ, 2 km (Special Order)
065-7111VF	7-Port 10/100 Unmanaged Switch + 1-Port 100FX MM/VF-45, 2 km (Special Order)
065-7111SM	7-Port 10/100 Unmanaged Switch + 1-Port 100FX SM/SC, 15 km (Special Order)
065-7111SMED	7-Port 10/100 Unmanaged Switch + 1-Port 100FX SM/SC, 40 km (Special Order)
065-7111SMXLD	7-Port 10/100 Unmanaged Switch + 1-Port 100FX SM/SC, 75 km (Special Order)

SPECIFICATIONS**• APPLICABLE STANDARDS**

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseTX
IEEE 802.3u 100BaseFX
IEEE 802.3x Flow Control

• PORTS**All Models:**

7 – Fixed 10/100BaseT/TX Auto-MDIX ports, RJ-45 connectors; (IEEE 802.3u Type 10BaseT & 100BaseTX)

plus

Models 065-7111SC, 065-7111ST, 065-7111LC, 065-7111MT & 065-7111VF:

1 – Fixed 100BaseFX port, SC multimode (Model 065-7111SC), ST multimode (Model 065-7111ST), LC multimode (Model 065-7111LC), MT-RJ multimode (Model 065-7111MT), or VF-45 multimode (Model 065-7111VF) connectors. (IEEE 802.3u Type 100BaseFX)

Maximum distance:

2,000 meters with 62.5/125 micron or 50/125 micron multimode fiber cabling

or

Models 065-7111SM, 065-7111SMED, & 065-7111SMXLD:

1 – Fixed 100BaseFX port, SC singlemode connector. (IEEE 802.3u Type 100BaseFX)

Maximum distance:

Model 065-7111SM: 15 kilometers with 9/125 micron or 10/125 micron singlemode fiber cabling

Model 065-7111SMED: 40 kilometers with 9/125 micron or 10/125 micron singlemode fiber cabling

Model 065-7111SMXLD: 75 kilometers with 9/125 micron or 10/125 micron singlemode fiber cabling

• LED STATUS INDICATORS

Per Switch: Power

Per Port: Link/Activity

• PERFORMANCE

Throughput: 148,810 pps at 100 Mbps, 14,800 pps at 10 Mbps (64-byte packets)

Switch Fabric Speed: 1.6 Gbps.

Address Table Size: 2,048 entries

• FIBER INTERFACE DATA**Fiber Interface, All Multimode Models:**

Type: LED

Wavelength: 1300 nm nominal (1270 nm maximum, 1380 nm minimum)

Maximum Output Power: - 14.0 dBm

Minimum Output Power: - 20.0 dBm

Sensitivity: -33.0 dBm

Maximum Input Power: - 8.0 dBm

Link Power Budget: 13.0 dB

Maximum distance: 2,000 meters with 62.5/125 or 50/125 micron fiber

Model 065-7111SM: 100BaseFX with SC singlemode fiber connectors.

Fiber Interface, Singlemode:

Type: MQW Laser

Wavelength: 1300 nm nominal (1260 nm maximum, 1360 nm minimum)

Maximum Output Power: - 7.0 dBm

Minimum Output Power: - 15.0 dBm

Sensitivity: -34.0 dBm

Maximum Input Power: - 7.0 dBm

Link Power Budget: 19.0 dB

Maximum distance: 15 km with 9/125 micron fiber

• FIBER INTERFACE DATA

Model 065-7111SMED: 100BaseFX with SC singlemode fiber connectors.

Fiber Interface, Singlemode:

Type: MQW Laser

Wavelength: 1300 nm nominal (1261 nm maximum, 1360 nm minimum)

Maximum Output Power: - 5.0 dBm

Minimum Output Power: - 12.0 dBm

Sensitivity: -35.0 dBm

Maximum Input Power: - 5.0 dBm

Link Power Budget: 23.0 dB

Maximum distance: 40 km with 9/125 micron fiber

Model 065-7111SMXLD: 100BaseFX with SC singlemode fiber connectors.

Fiber Interface, Singlemode:

Type: MQW Laser

Wavelength: 1300 nm nominal (1270 nm maximum, 1350 nm minimum)

Maximum Output Power: + 3.0 dBm

Minimum Output Power: - 3.0 dBm

Sensitivity: -37.0 dBm

Maximum Input Power: - 0.0 dBm

Link Power Budget: 34.0 dB

Maximum distance: 75 km with 9/125 micron fiber

• PHYSICAL CHARACTERISTICS

Dimensions: 10.0"W x 5.3"D x 1.4"H
(254 mm x 135 mm x 35 mm)

Weight: 3.5 lbs. (1.6 kg.)

• ENVIRONMENT**Operating:**

Temperature: 32°F to 122°F (0°C to 50°C)

Relative Humidity: 10 to 90%, non-condensing

Altitude: 3,048 meters (10,000 feet)

Non-Operating/Storage:

Temperature: -13°F to 158°F (-25°C to 70°C)

Relative Humidity: 10 to 90%, non-condensing

• ELECTRICAL CHARACTERISTICS

Maximum Wattage: 15 Watts

Current: 4.0 Amps maximum

Voltage: 100 to 240 Volts AC

Frequency: 50 to 60 Hz.

Heat Dissipation: 85 BTU per hour

• EMISSIONS

FCC part 15 Class A, CE Mark Class A, VCCI Class A
Desktop or wall mounting

• SAFETY

UL 1950

• WARRANTY

Five years, including power supply