

24-Port 10/100 WebSmart Switches + 1-Port 100FX Expansion Port



Signamax Connectivity Systems' expandable rack mount switch features 24 10/100 ports and an optional 100BaseFX fiber module for longer distance network connections. It include advanced support for Virtual Local Area Networking (VLAN), and multi-port inter-switch trunking for use in larger-scale networks. The switch provide network administrators with powerful, easy-to-use WebSmart local and remote administrative and configuration tools, and feature a completely non-blocking switch architecture. This 24-port switch transparently pass packets of up to 1,522 bytes in their normal configuration, allowing their use in networks utilizing IEEE 802.1p and IEEE 802.1Q tagged packets. It can also be configured to support Jumbo Packets via the WebSmart feature.

KEY FEATURES

- Plug 'n Play - No Software Needed.
- 10/100 Mbps Auto-Speed Sensing.
- Port-Based VLAN Capability.
- True Non-Blocking Architecture.
- Full Wire Speed Forwarding.
- WebSmart Switch Administration.
- Auto-MDIX on All Twisted-Pair Ports.
- MAC-Based Trunking.
- Five Year Performance Warranty.

ORDERING INFORMATION

Part Number	Description
065-7541	24-Port 10/100 + 1-Port Expandable WebSmart Switch
065-73SC	100BaseFX Module for 065-75xx WebSmart Switch, MM/SC, 2 km
065-73ST	100BaseFX Module for 065-75xx WebSmart Switch, MM/ST, 2 km
065-73MT	100BaseFX Module for 065-75xx WebSmart Switch, MM/MT-RJ, 2 km
065-73VF	100BaseFX Module for 065-75xx WebSmart Switch, MM/VF-45, 2 km
065-73SM	100BaseFX Module for 065-75xx WebSmart Switch, SM/SC, 15 km
065-73SMED	100BaseFX Module for 065-75xx WebSmart Switch, SM/SC, 40 km
065-73MXLD	100BaseFX Module for 065-75xx WebSmart Switch, SM/SC, 75 km

SPECIFICATIONS**• APPLICABLE STANDARDS**

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

• PORTS

24 - RJ-45 10/100BaseT/TX ports
(IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX)
1 - open 100BaseFX interface slot
1 - RJ-45 10/100BaseT/TX local console port

• LED STATUS INDICATORS

Per Switch: Power
Per Console Port: Link, Activity
Per Port: Link/Activity, 100 Mbps Speed

• OPTIONAL EXPANSION MODULES

Model 065-73SC: 100FX with SC MM fiber connectors.
Model 065-73ST: 100FX with ST MM fiber connectors.
Model 065-73MT: 100FX with MT-RJ MM fiber connectors
Model 065-73VF: 100FX with VF-45 MM fiber connectors.
Fiber Interface, 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 065-73SM: 100FX with SC SM 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

Model 065-73SMED: 100FX with SC SM 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 065-73SMXLD: 100FX with SC SM 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

• PERFORMANCE

Latency: <6.0 μ s (FIFO)
Throughput: 148,810 pps (64-byte packets)
Switch Fabric Speed: 6.8 Gbps
Address Table Size: 8K MAC addresses
Memory: .5 Mb Buffer Memory
Maximum Transmittable Packet Size: 1,522 Bytes
MTBF: 251,958 hours
(Computed using the Part Stress Analysis Method)

• PHYSICAL CHARACTERISTICS

Dimensions: 17.3"W x 8.2"D x 1.74"H
(440 x 207 x 44 mm)
Weight: Approximately 6.2 pounds (2.8 kg)
Mounting: Standard 19-in rack (hardware included).

• ADMINISTRATIVE CAPABILITY

WebSmart console port access via 10/100BaseT/TX connection or via web browser with assigned IP address; permits manual setting of port speed, port duplexity, Flow Control enablement/disablement, as well as establishment and administration of VLAN and/or trunking.

• VLAN CAPABILITY

Port-based VLAN: up to 24 groups

• LINK AGGREGATION CAPABILITY

MAC-based Port Trunking, one or two groups with up to four ports per group. Load sharing based on source and destination ports. VLAN feature cannot be used simultaneously. Destination switch must also be equipped for MAC-based Port Trunking.

• 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

• SHOCK & VIBRATION

HP759, HP760 (similar to EN60068 IEC 68)

• SAFETY

UL 1950, CUL

• EMISSIONS

FCC part 15 Class A, CISPR Class A, VCCI-I CE Mark

• WARRANTY

Five years, including power supply