

065-7940C-WS

24-Port 10 / 100 / 1000 WebSmart Switch with 4 -SFP Ports



Signamax Connectivity Systems' 065-7940C-WS 24-port WebSmart switch supports powerful web-based management features for a fraction of the cost of a fully-managed switch. The 065-7940C-WS provides non-blocking performance for 24 10/100/1000 Gigabit Ethernet connections, along with modern QoS and Tagged VLAN capabilities. Four Dual Media Gigabit Ethernet ports use auto-detected SFP modules for fiber optic switch interconnection at extended distances. The web browser based management package is complete and comprehensive, with abilities rivaling those usually found only in managed switches, such as SNMP, Spanning Tree, Port Mirroring, Bandwidth Throttling, IEEE 802.1p QoS administration, and IEEE 802.1Q tagged VLAN administration. The Signamax 065-7940C-WS switch provides a feature-rich, cost-effective alternative to a fully-managed switch in many applications.

KEY FEATURES

- WebSmart browser-based switch administration.
- 4 dual media ports for flexible fiber connection.
- Supports 10/100/1000 Mbps speed and duplex mode auto-negotiation.
- Supports auto MDI/MDI-X functionality for easy uplink.
- Supports 802.3x flow control for full duplex operation.
- Supports 9600 byte Jumbo Frames.
- Supports Port Mirroring.
- Supports 802.3ad LACP Port Aggregation (up to 12 ports and 12 groups).
- LEDs indicate speed, Link/Activity, and Power Status.
- Slim & compact design.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
065-7940C-WS	24-Port 10/100/1000 WebSmart Switch + 4 SFP Dual Media Ports
065-79SXMG	1000BaseSX SFP Module 850 nm – MM/LC, 220 m Span on 62.5µm Fiber / 550 m Span on 50µm Fiber
065-79SXEDMG	1000BaseLX SFP Module 1310 nm – MM/LC, 2 km
065-79LXMG	1000BaseLX SFP Module 1310 nm – SM/LC, 10 km
065-79LXEDMG	1000BaseLX SFP Module 1310 nm – SM/LC, 40 km
065-79XDMG	1000BaseXD SFP Module 1550 nm – SM/LC, 40 km
065-79ZXMG	1000BaseZX SFP Module 1550 nm– SM/LC, 80 km
065-79EZXMG	1000BaseEZX SFP Module 1550 nm – SM/LC, 110 km

Note: Optional SFP Gigabit Ethernet Modules Sold Separately

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SPECIFICATIONS

- **APPLICABLE STANDARDS**

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseTX
IEEE 802.3ab 1000BaseT
IEEE 802.3z 1000BaseSX/LX/XD/ZX
IEEE 802.3x Flow Control
ANSI/IEEE 802.3 Auto-negotiation
IEEE 802.1q VLAN
IEEE 802.1p Class of Service
IEEE 802.1x Access Control
IEEE 802.1d Spanning Tree
IEEE 802.1w Rapid Spanning Tree
IEEE 802.3ad Port trunking with LACP

- **PERFORMANCE**

Latency: <4.3 μ s (FIFO)
Throughput (64-byte packets):
 10Base: 14,880 pps
 100Base: 148,810 pps
 1000Base: 1,488,100 pps
Address Table Size: 8K MAC addresses
Buffer Memory: 500 Kbytes
Switch Fabric Speed: 48.0 Gbps
Jumbo Frame Support: 9600 byte frames are supported.

- **LED STATUS INDICATORS**

Per Switch: Power
Per Port: Link/Activity, Speed

- **PORTS**

24 – RJ-45 10/100/1000BaseT/TX Auto-MDIX ports (IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX; 802.3ab 1000BaseT)
4 – Open 1000Base SFP dual media ports (shared with ports 21, 22, 23, & 24)

- **VLAN CAPABILITIES**

Port-based VLAN
IEEE 802.1Q Tag-based VLAN
4094 VLAN IDs supported; up to 24 active VLANs possible (mix of port-based and/or tag-based VLANs)

- **QoS CAPABILITIES**

Supports 802.1p QoS with four priority queues; WRR (Weighted Round-Robin) or Strict Priority supported
Supports DSCP priority (DiffServ)

- **LINK AGGREGATION**

Port Trunking with up to 12 trunking groups and IEEE 802.3ad LACP (Link Aggregation Control Protocol)
Maximum aggregated ports per trunking group: up to 12 ports

- **BROADCAST STORM CONTROL**

Multicast/Broadcast/Unknown-Unicast Storm suppression

- **BANDWIDTH CONTROL**

Supports bandwidth rating per port; ingress and egress rate limits to 1000 Mbps in 1 Mbps increments

- **ADMINISTRATION**

Via IP Address assignment (web browser-based).
SNMP v1, v2c Network Management
MIB Files: MIB II (RFC1213), Bridge MIB (RFC1493), Interface Group MIB (RFC 2863)

- **PHYSICAL CHARACTERISTICS**

Dimensions: 17.40"W x 6.70"D x 1.73"H (442 mm x 170.3 mm x 44 mm)
Standard 19-in rack mounting (hardware included)
Weight: 5.28 lbs (2.4 kg)

- **ELECTRICAL CHARACTERISTICS**

Maximum Wattage: 20 Watts, all ports with four SFP modules installed; power saving (port idle time & cable length)
AC Input: 100 ~ 240 VAC, 50 ~ 60 Hz internal universal power supply

- **OPERATING ENVIRONMENT**

Temperature: 32°F to 104°F (0°C to 40° C)
Relative Humidity: 10 to 90%, non-condensing

- **EMISSIONS**

FCC, CE, VCCI Class A

- **WARRANTY**

Five years, including power supply