



NETWORK
CONNECTIVITY
SYSTEMS

SIGNAMAX[™]
CONNECTIVITY SYSTEMS

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Keeping Your World



In today's technology-driven environment, the backbone of your organization is your network — keeping you connected to staff, customers, suppliers, and the world at large. To run a successful enterprise, you need a network that's reliable, rapid, and ready to accommodate the inevitable growth and change you'll experience. And the company that can deliver network solutions that's up to those challenges is Signamax Connectivity Systems.

The Signamax mission is to provide for your total end-to-end network connectivity needs- from the server to the user's workstation. As your single source for the full range of products needed for reliable connectivity, Signamax delivers the benefits you demand — including greater ease of use, flexibility, and performance.

The comprehensive Signamax Network Connectivity Systems line offers a wide range of high-performance, cost effective options for Ethernet, Fast Ethernet, and Gigabit Ethernet applications. Our Media Converters enable mixed media and speeds on a network for optimum performance. Signamax managed and unmanaged Switches are offered from 5 to 24 ports with support for 10/100Base to 1000Base speeds with both copper and fiber terminations. Our Network

Connected.

Interface Cards provide access to the network from the server to the workstation supporting all popular applications. From the smallest home office project to the largest, enterprise-wide, fiber-to-the-desktop installation, Signamax has the breadth of network solutions to meet the demands for high-speed, high bandwidth connectivity.

To provide the highest quality and reliability, Signamax Network Connectivity Systems products are designed with performance as the priority, engineered to stringent specifications, built with pride — then tested to ensure they meet or exceed applicable industry standards. The strength and integrity of our product line is backed by the skills and experience of our sales, technical support and network design staff — along with the resources of our global parent company, Advanced Electronic Support Products, Inc. (Nasdaq: AESP).

Signamax is dedicated to providing high-quality, high-performance, high-value network solutions — all backed by long-term performance warranties that provide the peace of mind you require. So if you're ready to keep your world connected — reliably and rapidly, both now and in the future — turn to the company that can make it happen: Signamax Connectivity Systems.

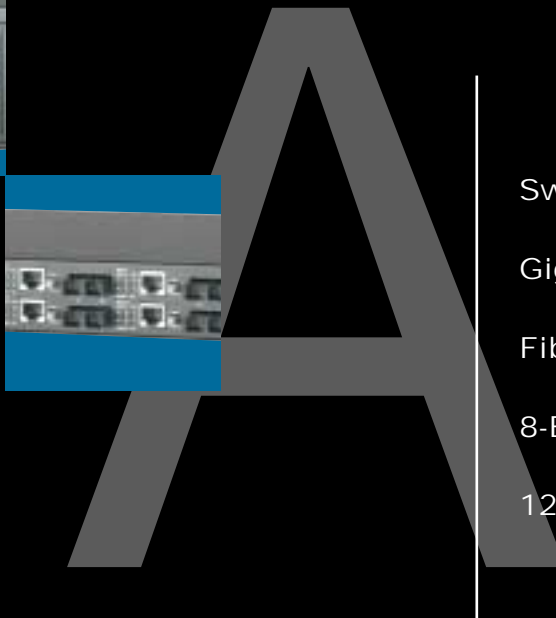


NETWORK CONNECTIVITY PRODUCTS





Media Converters



Switching Fiber Media Converters

Gigabit Media Converters

Fiber Optic Media Converters

8-Bay Media Converter Chassis

12-Port Fixed Media Converters

A

MEDIA CONVERTER SYSTEMS

Signamax Connectivity Systems' Switching Media Converters provide an intelligent solution for long distance connections between legacy 10BaseT networks and the newer 100BaseTX Fast Ethernet. These converters are designed to handle a wide variety of fiber optic network applications and eliminate the 412 meter distance limitation when connecting hub-based sub-networks. They also extend the maximum singlemode fiber distance, spanning over 46 miles with the 065-1120XLD model.

10/100 Switching Fiber Media Converters



Switching Fiber Optic Media Converter Products

PART NO.	DESCRIPTION	FIBER TYPE
065-1100	10/100BaseT/TX to 100BaseFX Converter	ST Multimode
065-1110	10/100BaseT/TX to 100BaseFX Converter	SC Multimode
065-1170	10/100BaseT/TX to 100BaseFX Converter	VF-45 Multimode
065-1172	10/100BaseT/TX to 100BaseFX Converter	MT-RJ Multimode
065-1174	10/100BaseT/TX to 100BaseFX Converter	LC Multimode
065-1120	10/100BaseT/TX to 100BaseFX Converter	SC Singlemode (15 km span)
065-1120ED	10/100BaseT/TX to 100BaseFX Converter	SC Singlemode (40 km span)
065-1120XLD	10/100BaseT/TX to 100BaseFX Converter	SC Singlemode (75 km span)

Built-in 10/100 switch enables the fiber cable connection to operate at 100 Mbps connected to either a 10BaseT or a 100BaseTX network, while remaining completely 100BaseFX standard-compliant. Fiber connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or a half duplex hub. Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ-45 twisted-pair connector port featuring store-and-forward switching architecture. Built-in switch does the network segmentation to provide the maximum fiber distance.

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 IEEE 802.3u 100BaseFX

FIXED PORTS

1 twisted-pair port 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

plus

1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 or 50/125 micron multimode fiber optic cable, 2,000 meters maximum distance

or

1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning: 15 kilometers maximum distance (Model 065-1120)

or

40 kilometers maximum distance (Model 065-1120ED)

or

75 kilometers maximum distance (Model 065-1120XLD)

PERFORMANCE

Latency: < 4.2 μ s (LIFO)

Throughput: 148,809 pps (64-byte packets)

LED INDICATORS

Per unit - Power status, RJ-45 port speed

Per Port -LNK/ACT, FDX/COL

Six LEDs total

PHYSICAL CHARACTERISTICS

Case dimensions: Length 110 mm x Width 81 mm x Height 23 mm (4.33 inches x 3.19 inches x 0.91 inches)
 Fiber connector protrusion varies with model.

Weight: 150 grams (0.33 pounds)

SAFETY

UL Listed



Model
065-1100



Model
065-1110



Model
065-1170



Model
065-1172

A

MEDIA CONVERTER SYSTEMS

Signamax Connectivity Systems' Gigabit Ethernet Media Converters make it simple to extend distances over multimode or singlemode fiber. They are designed to expand the scope of your Gigabit Ethernet network applications and are 100% compliant with Ethernet IEEE 802.3ab and 802.3z specifications. These converters maintain the same form factor as other Signamax media converters, allowing use in the Model 065-1180 Signamax Rack Mount Chassis. Twisted pair to fiber optic converters for both multimode and singlemode fiber, multimode to singlemode converters, and singlemode to singlemode extenders are available.

Gigabit Ethernet Fiber Media Converters

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3ab 1000BaseT
IEEE 802.3z 1000BaseLX
IEEE 802.3z 1000BaseSX

FIXED PORTS

One twisted-pair port meeting IEEE 802.3ab standard specification; Category 5e or better cable, 100 meters maximum distance

and/or

One fiber optic port meeting IEEE 802.3z standard; 62.5/125 micron multimode fiber optic cable, 220 meters maximum distance or 50/125 micron multimode fiber optic cable, 550 meters maximum distance (Models 065-1194 & 065-1195)

or

1 fiber optic port meeting IEEE 802.3z 1000BaseLX standard specification; 9/125 micron singlemode fiber optic cable, spanning 10 kilometers maximum distance (Models 065-1194 & 065-1197)

or

20 kilometers maximum distance (Models 065-1194ED, 065-1197ED, & 065-1198XLD)

PERFORMANCE

1,488,000 packets per second at 1000 Mbps

LED INDICATORS

Power; TX; RX; FDX/COL; LNK1; LNK2 (or LNK1; LNK2, Model 065-1198XLD)

PHYSICAL CHARACTERISTICS

Dimensions: Length 110 mm x Width 81 mm x Height 23 mm (4.33 inches x 3.19 inches x 0.91 inches)

Weight: 50 grams (0.33 pounds)

SAFETY

UL Listed



Gigabit Ethernet Media Converter

PART NO.	DESCRIPTION
065-1194	1000BaseSX to 1000BaseLX Gigabit Ethernet SC multimode to SC singlemode media converter, 10 km span
065-1194ED	1000BaseSX to 1000BaseLX Gigabit Ethernet SC multimode to SC singlemode media converter, 20 km span
065-1195	1000BaseT to 1000BaseSX Gigabit Ethernet media converter, SC multimode
065-1197	1000BaseT to 1000BaseLX Gigabit Ethernet media converter, SC singlemode, 10 km span
065-1197ED	1000BaseT to 1000BaseLX Gigabit Ethernet media converter, SC singlemode, 20 km span
065-1198XLD	1000BaseLX to 1000BaseLX Gigabit Ethernet fiber optic repeater, SC singlemode, 20 km span each port

Signamax Connectivity Systems' Media Converters reduce cabling cost by providing flexible fiber optic solutions for Ethernet LANs and WAN connectivity. Models are available for direct connection to RJ-45 and fiber optic ports on both Ethernet and Fast Ethernet devices, or for use with singlemode fiber carrier demarcation points. These offer a wide variety of conversion solutions, providing network expansion at the lowest cost possible.

Each Media Converter is enclosed in a compact, strong metal case and includes an external power supply for stand-alone applications. They can also be installed without modification in the Signamax 065-1180 Rack Mount Chassis featuring redundant power supplies for high reliability and in multiple installations. The multi-functional design eliminates the need to stock separate units for rack mount and standalone requirements.

Fiber Optic Media Converters



Fiber Optic Media Converter

PART NO.	DESCRIPTION
065-1140	10BaseT to 10BaseFL ST Multimode
065-1150	10BaseT to 10BaseFL SC Singlemode (20 km span)
065-1160	10BaseT to 10Base2 — BNC Connector
065-1130	100BaseFX SC Singlemode (15 km span) to ST Multimode
065-1130ED	100BaseFX SC Singlemode (40 km span) to ST Multimode
065-1130XLD	100BaseFX SC Singlemode (75 km span) to ST Multimode
065-1132	100BaseFX SC Singlemode (15 km span) to SC Multimode
065-1132ED	100BaseFX SC Singlemode (40 km span) to SC Multimode
065-1132XLD	100BaseFX SC Singlemode (75 km span) to SC Multimode
065-1190	ATM 155Mbps SC Singlemode (20 km span) to ST Multimode

SPECIFICATIONS

APPLICABLE STANDARDS

Ethernet IEEE 802.3 and IEEE 802.3u
Asynchronous Transfer Mode (ATM) 155 Mbps Specifications (model 065-1190)
Synchronous Optical Network (SONET) Optical Carrier – 3 (OC-3) Specifications (model 065-1190)

FIXED PORT SPECIFICATIONS

10BaseT twisted-pair interface, Models 065-1140, 065-1150, & 065-1160: RJ-45 connector, 100 meters max distance
10BaseT twisted pair cable interface, Model 065-1160: BNC connector, 185 meters max. distance
10Base2 coaxial cable interface, Model 065-1140: ST connector; 2000 meters max. distance
10BaseFL multimode fiber optic interface, Model 065-1150: SC connector; 20 kilometers max. distance
10BaseFL singlemode fiber optic interface, Model 065-1130, 065-1130ED, 065-1130XLD, & 065-1190: ST connector; 2000 meters max. distance
100BaseFX multimode fiber optic interface, Model 065-1132, 065-1132ED, & 065-1132XLD: SC connector; 2000 meters max. distance
100BaseFX multimode fiber optic interface, Models 065-1130, 065-1130ED, 065-1130XLD, 065-1132, 065-1132ED, & 065-1132XLD: SC connector, 100BaseFX singlemode fiber interface; Standard models: 15 kilometers max. distance
ED Models: 40 kilometers max. distance
XLD Models: 75 kilometers max. distance
SONET OC-3 / ATM 155 Mbps multimode fiber optic interface, Model 065-1190: ST connector; 2000 meters max. distance
SONET OC-3 / ATM 155 Mbps singlemode fiber optic interface, Model 065-1190: SC connector; 20 kilometers max. distance

PERFORMANCE

Delay:

Models 065-1140, 065-1150, & 065-1160: less than 23 bit times
Models 065-1130 series, 065-1132 series, & 065-1190: less than 21 bit times

PHYSICAL CHARACTERISTICS

Case dimensions: Length 110 mm x Width 81 mm x Height 23 mm (4.33 inches x 3.19 inches x 0.91 inches)
Fiber connector protrusion varies with model.
Weight: 150 grams (0.33 pounds)

SAFETY

UL Listed

A

MEDIA
CONVERTER
SYSTEMS

Signamax Connectivity Systems' Model 065-1180 Rack Mount Chassis is a carrier or enterprise level rack mounting system designed to accommodate the line of Signamax Ethernet Media Converters. Multi-functional chassis allows the same Media Converter to be used as either a standalone or as a rack mountable component. The system ships standard with two hot-swappable, fully redundant, load-sharing power supplies to ensure continued availability of the media converters in the event of a power supply failure. It also ships with three fully redundant, load-sharing cooling fans as a standard configuration.

The Signamax model 065-1180 Rack Mount Chassis is a system worthy of any TELCO or Interexchange Carrier installation. It is easy to maintain, easy to service, and absorbs substantial abuse without failure.

8-Bay Media Converter Rack Mount Chassis



8-Bay Rack Mount Media Converter Chassis

PART NO.	DESCRIPTION
065-1180	Rack Mount Media Converter Chassis System, includes 2 Redundant Power Supplies & 3 Fan Cooling Assemblies
FO-AC-1180	Spare Redundant Power Supply For 8-Bay Chassis
FO-1180FAN	Spare Individual Fan Assembly For 8-Bay Chassis

SPECIFICATIONS

CAPACITY

Eight bays for up to eight 065-11xx series media converters

LED STATUS INDICATORS

Power: Power supply on-line

Fan1/Fan2/Fan3: LED indicates that the fan is on-line

Bay 1 — Bay 8: LED indicates bay is occupied and associated Media Converter is receiving power

PHYSICAL CHARACTERISTICS

Dimensions: 430 mm Wide x 290 mm Deep x 133 mm High (17.0 in. x 11.5 in. x 5.1 in.)
3 standard rack units

Weight: Approximately 5.2 kilograms (11.5 pounds), fully loaded

POWER SUPPLIES

Load-sharing and hot-swappable; 2 supplied as standard equipment

SAFETY

Power Supplies: UL 1950 Listed, CSA 234, 22.2, TUV EN60950

Cooling Fans: UL/cUL/TUV Listed/Approved.

The Signamax 065-1200 12-Channel Rack Mount Media Converter is a perfect solution for large installations that utilize many of the same type of media converters. The 065-1200 contains 12 channels of media conversion in a standard rack mountable case only one rack unit high. This extremely high port density allows the maximum number of media converter channels per rack for enterprise-level businesses and carriers. Redundant fan-cooled power supplies ensure system uptime.

The 065-1200 has a choice of configurations, utilizing the same technology and connector types as the standalone media converters in the 065-1100 series for 10/100BaseT/TX to 100BaseFX conversion. In addition, the 065-1200 can be optionally equipped with twelve channels of Gigabit Ethernet 1000BaseT to 1000BaseSX media conversion, emulating twelve 065-1195 converters.

12-Port Rack Mount Media Converter



12-Channel Rack Mount Media Converter

PART NO.	DESCRIPTION
065-1200ST00	10/100BaseT/TX to 100BaseFX Converters ST Multimode
065-1200SC10	10/100BaseT/TX to 100BaseFX Converters SC Multimode
065-1200VF70	10/100BaseT/TX to 100BaseFX Converters VF-45 Multimode
065-1200MT72	10/100BaseT/TX to 100BaseFX Converters MT-RJ Multimode
065-1200LC74	10/100BaseT/TX to 100BaseFX Converters LC Multimode
065-1200SC20	10/100BaseT/TX to 100BaseFX Converters SC Singlemode (15 km span)
065-1200SC20ED	10/100BaseT/TX to 100BaseFX Converters SC Singlemode (40 km span)

Please see specification sheet for additional configurations.

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 IEEE 802.3u 100BaseFX
 IEEE 802.3ab 1000BaseT
 IEEE 802.3z 1000BaseSX

FIXED PORTS

Twelve channels of media conversion, each with a twisted pair port and a corresponding fiber optic port meeting either of the following specifications:

065-11xx series version:

10/100BaseT/TX to 100BaseFX, multimode fiber; choice of SC, ST, VF-45 or MT-RJ connectors; maximum distance: 2,000 meters
 10/100BaseT/TX to 100BaseFX, singlemode fiber, SC connectors; MT-RJ connectors available by special order. Maximum distance: up to 75 kilometers

LED Status Indicators:

Per unit - Power status, Speed (2 LEDs)
 Per port - LNK/ACT, FDX/COL (2 LEDs)

065-1195 version:

1000BaseT to 1000BaseSX, multimode fiber, SC connectors; MT-RJ connectors available by special order. Maximum distance, 1000BaseSX port: 220 meters over 62.5 micron multimode fiber or 550 meters over 50/125 micron multimode fiber (full duplex only)

LED Status Indicators:

Per unit - Power status, FDX/COL, TX, RX (4 LEDs)
 Per port - LNK for fiber port, LNK for copper port (1 LED each)

PHYSICAL CHARACTERISTICS

Dimensions: W440mm x D205mm x H45mm (17.3" x 8.0" x 1.8")

Weight: 3.1 kg (6.8 lbs.) maximum
 Standard 19-in rack mounting (hardware included)

SAFETY

UL 1950

WARRANTY

Lifetime, including power supplies

NETWORK CONNECTIVITY PRODUCTS



Ethernet Switches



B

- Gigabit Ethernet Access Switch
- Gigabit Ethernet Fiber Access Switch
- 100BaseFX Fast Ethernet Fiber Switch
- 10/100 Ethernet Switches
- 10/100 Modular Ethernet Switch
- 10/100 QoS Ethernet Switch
- 10/100 Ethernet Desktop Switches
- Compact Fiber Access Switch
- Broadband Access Router

B

ETHERNET SWITCHES

Signamax Connectivity Systems' 065-7732 Gigabit Ethernet Access Switch is the cornerstone of the Signamax Ethernet switch product line. It is capable of two optional Gigabit Ethernet connections, and it is a fully functional SNMP-managed 24-port 10/100 Fast Ethernet and Standard Ethernet switch as well.

The two optional Gigabit Ethernet ports permit easy interconnection of these switches at Gigabit speeds, creating a Gigabit Ethernet backbone network with 24 10/100 ports per switch for workstation and server connectivity. SNMP, Web-browser, local terminal connection and Telnet

Gigabit Ethernet Access Switch



Gigabit Ethernet Access Switch

PART NO.	DESCRIPTION
065-7732	24-Port 10/100T/TX Switch with 2 Gigabit Expansion Slots
065-77SX	1000BaseSX Expansion Module for Gigabit Access Switch - SC Multimode
065-77LX	1000BaseLX Expansion Module for Gigabit Access Switch - SC Singlemode (10 km)
065-77LXED	1000BaseLX Expansion Module for Gigabit Access Switch - SC Singlemode (20 km)
065-77TX	1000BaseTX Expansion Module for Gigabit Access Switch - RJ-45 Cat 5e

remote terminal management capabilities are included. All of these management capabilities can be used simultaneously with real time updating.

Standards supported include IEEE 802.1D Spanning Tree Protocol (STP), to provide fault tolerance; IEEE 802.1p Class of Service (CoS) support, to prioritize network traffic for video, voice, images, and data; IEEE 802.1Q VLAN support, for network segmentation and traffic control across multiple switches; and GARP VLAN Registration Protocol (GVRP), to ease VLAN configuration concerns. And, it will communicate with network management systems such as HP OpenView™ to provide SNMP-based information exchange for enterprise-wide status display, statistical monitoring, and switch control.



Model
065-77TX



Model
065-77LX

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 IEEE 802.3z 1000BaseSX/LX
 IEEE 802.3ab 1000BaseT
 IEEE 802.1p Priority (Classification of Service [CoS])
 IEEE 802.1D Spanning Tree
 IEEE 802.1Q Tagged VLAN
 IEEE 802.3x Flow Control
 IEEE 802.3ad Link Aggregation

PORTS

24 - RJ-45 10/100BaseT/TX ports
 2 - Open Gigabit Ethernet interface slots.

Optional Interfaces:

065-77SX: 1000BaseSX with SC multimode fiber connectors. Maximum distance: 220 meters with 62.5/125 micron fiber cabling or 550 meters with 50/125 micron fiber cabling

065-77TX: 1000BaseT with RJ-45 connector. Maximum distance: 100 meters with Category 5e or better twisted-pair cabling.

065-77LX: 1000BaseLX with SC singlemode fiber connectors. Maximum distance: 10 km with 9/125 micron fiber cabling.

065-77LXED: 1000BaseLX with SC singlemode fiber connectors. Maximum distance: 20 km with 9/125 micron fiber cabling.

PERFORMANCE

Latency: <4.5 μ s (LIFO).
Throughput: 1.48810 million pps (64-byte packets)

Switch Fabric Speed: 12.0 Gbps

ADMINISTRATION CONSOLE

1 - RS-232C DB-9 local console serial port.
 (Default Parameters: 115,200 bps, 8 data bits, no parity, 1 stop bit)

MANAGEMENT

Console port access via RS-232 cable, Telnet remote access, SNMP agent, and Web browser. Kermit/TFTP software-upgrade capability

LED STATUS INDICATORS

PWR: Power on
LNK: Compliant device detected / Unit receiving data
TX: Data packets transmitted
RCV: Data packets received
FD: Full duplex mode

PHYSICAL CHARACTERISTICS

Dimensions: W440mm x D235mm x H45 mm (17.4 x 9.25 x 1.8 in)
 Standard 19-in rack mounting (hardware included)
Weight: 3.4 kg (7.5 lbs)

SAFETY

UL 1950

WARRANTY

Five years, including power supply

Optional Gigabit Ethernet Modules Sold Separately

B

ETHERNET SWITCHES

Signamax Connectivity Systems' Model 065-7732FSC Multimode and 065-7732FSM Singlemode Fiber Gigabit Ethernet Access Switches are the most cost-effective way to extend fiber to the desktop from a Gigabit Ethernet fiber backbone. Model 065-7732FSC provides two 1000BaseSX multimode fiber optic ports plus 24 100BaseFX multimode fiber optic ports, typically used in Local Area Network (LAN) applications. Model 065-7732FSM provides two 1000BaseLX singlemode fiber optic ports plus 24 100BaseFX singlemode fiber ports, for use in applications where greater distances need to be spanned, or in carrier networks where singlemode fiber is the distribution media of choice. SNMP, Web-browser, local terminal connection and Telnet remote terminal management capabilities are included.

24-Port Gigabit Ethernet Fiber Switch



Fiber Gigabit Ethernet Access Switch

PART NO.	DESCRIPTION
065-7732FSC	Multimode Fiber Gigabit Ethernet Access Switch
065-7732FSM	Singlemode Fiber Gigabit Ethernet Access Switch

SPECIFICATIONS

APPLICABLE STANDARDS

- IEEE 802.3u 100BaseFX
- IEEE 802.3z 1000BaseSX
- IEEE 802.3z 1000BaseLX
- IEEE 802.1p Priority (CoS)
- IEEE 802.1D Spanning Tree
- IEEE 802.1Q VLANs
- IEEE 802.3x Flow Control
- IEEE 802.3ad Link Aggregation

PORTS

Model 065-7732FSC:

- 24 – Fixed 100BaseFX ports, SC multimode connectors (IEEE 802.3u 100BaseFX). Maximum distance: 2,000 meters with 62.5/125 micron or 50/125 micron multimode fiber cabling
- 2 – Fixed 1000BaseSX Gigabit Ethernet ports, SC multimode connectors (IEEE 802.3z 1000BaseSX). Maximum distance: 220 meters with 62.5/125 micron multimode fiber cabling or 550 meters with 50/125 micron multimode fiber cabling.
- 1 – RS-232C DB-9 local console serial port (Default Parameters: 115,200 bps, 8 data bits, no parity, 1 stop bit)

Model 065-7732FSM:

- 24 – Fixed 100BaseFX ports, SC singlemode connectors (IEEE 802.3u 100BaseFX). Maximum distance: 75 kilometers with 9/125 micron singlemode fiber cabling.
- 2 – Fixed 1000BaseLX Gigabit Ethernet ports, SC singlemode connectors (IEEE 802.3z 1000BaseLX). Maximum distance: 20 kilometers with 9/125 micron singlemode fiber cabling.
- 1 – RS-232C DB-9 local console serial port (Default Parameters: 115,200 bps, 8 data bits, no parity, 1 stop bit)

MANAGEMENT

Console port access via RS-232 cable, Telnet remote access, SNMP agent, and Web browser. Kermit/TFTP software-upgrade capability

PERFORMANCE

Latency: <4.5 μ s (LIFO).
Throughput: 1.48810 million pps (64-byte packets)
Switch Fabric Speed: 12.0 Gbps.

LED STATUS INDICATORS

Per Unit:
Power status
Per Port:
LNK/ACT, FDX (2 LEDs) for each 100BASE-FX port

PHYSICAL CHARACTERISTICS

Dimensions: W440mm x D235mm x H45 mm (17.3 x 9.25 x 1.8 in)
Standard 19-in rack mounting (hardware included)
3.4 kg (7.5 lbs.)

Weight:

POWER

AC Input: 100 ~ 260VAC, 47 ~ 63Hz
internal universal power supply

or

DC Input: -48 VDC, LUG Type – 2 pin connector block; internal DC power supply

SAFETY

UL 1950

WARRANTY

Five years, including power supply

Signamax Connectivity Systems' Model 065-7640FSC and 065-7640FSM Fast Ethernet Fiber Switches connect workstations and servers using fiber optic cable where Gigabit Ethernet connections are not desired. These non-blocking 24-port 100BaseFX Fast Ethernet switches have SNMP, Web-browser, local terminal connection and Telnet remote terminal management capabilities included, to build a fiber-based enterprise-level network at Fast Ethernet speeds. Model 065-7640FSC provides 24 100BaseFX multimode fiber optic ports, typically used in Local Area Network (LAN) applications. Model 065-7640FSM provides 24 100BaseFX singlemode fiber ports, for use in carrier network applications or in LANs where longer distances need to be spanned.

24-Port 100FX Ethernet Fiber Switch



Fast Ethernet Fiber Switch

PART NO.	DESCRIPTION
065-7640FSC	Fast Ethernet Fiber Switch – Multimode, SC connectors
065-7640FSM	Fast Ethernet Fiber Switch – Singlemode, SC connectors

SPECIFICATIONS

APPLICABLE STANDARDS

- IEEE 802.3u 100BaseFX
- IEEE 802.1p Priority (CoS)
- IEEE 802.1D Spanning Tree
- IEEE 802.1Q VLANs
- IEEE 802.3x Flow Control
- IEEE 802.3ad Link Aggregation

PORTS

Model 065-7640FSC:

- 24 - 100BaseFX ports, SC multimode connectors; span up to 2,000 meters (IEEE 802.3u 100BaseFX)
- 1 - RS-232C DB-9 local console serial port (Default Parameters: 115,200 bps, 8 data bits, no parity, 1 stop bit)

Model 065-7640FSM:

- 24 - 100BaseFX ports, SC singlemode connectors; span up to 75 kilometers (IEEE 802.3u 100BaseFX)
- 1 - RS-232C DB-9 local console serial port (Default Parameters: 115,200 bps, 8 data bits, no parity, 1 stop bit)

MANAGEMENT

- Console port access via RS-232 cable, Telnet remote access, SNMP agent, and Web browser.
- Kermit/TFTP software-upgrade capability

PERFORMANCE

- Latency:** <4.5 μ s (LIFO).
- Throughput:** 1.48810 million pps (64-byte packets)

- Switch Fabric Speed:** 12.0 Gbps.

LED STATUS INDICATORS

- Per Unit: Power status
- Per Port: LNK/ACT, FDX (2 LEDs) for each 100BASE-FX port

PHYSICAL CHARACTERISTICS

- Dimensions:** W440mm x D235mm x H45 mm (17.3 x 9.25 x 1.8 in)
- Standard 19-in rack mounting (hardware included)
- Weight:** 3.4 kg (7.5 lbs.)

POWER

- AC Input: 100 ~ 260VAC, 47 ~ 63Hz internal universal power supply
- or
- DC Input: -48 VDC, LUG Type – 2 pin connector block; internal DC power supply

SAFETY

- UL 1950

WARRANTY

- Five years, including power supply

B

ETHERNET SWITCHES

Signamax Connectivity Systems' Expandable Rack Mount Switches feature 16 or 24 10/100 ports and an optional 100BaseFX fiber module for longer distance network connections. They include advanced support for Virtual Local Area Networking (VLAN), and multi-port inter-switch trunking for use in larger-scale networks. These switches provide network administrators with powerful, easy-to-use local terminal administrative and configuration tools, and feature a completely non-blocking switch architecture. Both switches transparently pass packets of up to 1,522 bytes, allowing their use in networks utilizing IEEE 802.1p and IEEE 802.1Q tagged packets.

16- & 24-Port 10/100 Ethernet Switches

Model
065-75ST



Expandable 10/100 Rack Mount Switches

PART NO.	DESCRIPTION
065-7530	16-Port 10/100BaseT/TX Expandable Switch
065-7540	24-Port 10/100BaseT/TX Expandable Switch
Expansion Modules	
065-75SC	100BaseFX Expansion Module For 10/100 Switch - SC Multimode
065-75ST	100BaseFX Expansion Module For 10/100 Switch - ST Multimode
065-75MT	100BaseFX Expansion Module For 10/100 Switch - MT-RJ Multimode
065-75VF	100BaseFX Expansion Module For 10/100 Switch - VF-45 Multimode
065-75SMC-15	100BaseFX Expansion Module For 10/100 Switch - SC Singlemode (15 km span)
065-75SMC-40	100BaseFX Expansion Module For 10/100 Switch - SC Singlemode (40 km span)

Model
065-75SC



Model
065-75MT



SPECIFICATIONS

APPLICABLE STANDARDS

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

LED STATUS INDICATORS

PWR: Power on
LNK: Compliant device detected / Unit receiving data
TX: Data packets transmitted
RCV: Data packets received
FD: Full duplex mode

PERFORMANCE

Latency: <4.5 µs (LIFO)
Throughput: 148,809 pps (64-byte packets)
Switch Fabric Speed:
Model 065-7530: 4.0 Gbps
Model 065-7540: 4.8 Gbps

PORTS

Model 065-7530:

16 – RJ-45 10/100BaseT/TX ports (IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX)
1 – open 100BaseFX interface slot
1 – RS-232C DB-9 local console serial port (Default Parameters: 9,600 bps, 8 data bits, no parity, 1 stop bit)

Model 065-7540:

24 – RJ-45 10/100BaseT/TX ports (IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX)
1 – open 100BaseFX interface slot
1 – RS-232C DB-9 local console serial port (Default Parameters: 9,600 bps, 8 data bits, no parity, 1 stop bit)

PHYSICAL CHARACTERISTICS

Dimensions: W440mm x D205mm x H45 mm (17.3 x 8.1 x 1.8 in)
Standard 19-in rack mounting (hardware included).

Weight:

Model 065-7530: 2.6 kg. (5.7 lbs.)
Model 065-7540: 2.9 kg. (6.4 lbs.)

SAFETY

UL 1950, CSA, TUV/GS

WARRANTY

Five years, including power supply
Expansion Modules sold separately.

Signamax Connectivity Systems' 12-Port 10/100 Switch is a flexible, Fast Ethernet Modular Switch System allowing connections between a wide variety of fiber-optic and copper-based devices. Standard 1U high switch chassis includes power supply, switch backplane, front panel reset button. Port modules complete the switching system; this system supports up to three affordable modules, with at least one required in addition to the switch chassis. Each compact module provides four auto-negotiating 10/100BaseT/TX RJ-45 connections and/or 100BaseFX fiber-optic ports including SC, ST, or the newest small-form-factor MT-RJ and VF-45 connectors.

12-Port 10/100 Modular Ethernet Switch



Model
065-75203TX1MT

12-Port 10/100 Modular Switch Chassis and Modules

PART NO.	DESCRIPTION
065-7520	12-Port (3 Module) 10/100Base Modular Switch Chassis
Switch Modules	
065-75204TX	4-10/100BaseT/TX Ports
065-75204SC	4-100BaseFX SC Multimode Ports
065-75204ST	4-100BaseFX ST Multimode Ports
065-75204MT	4-100BaseFX MT-RJ Multimode Ports
065-75204VF	4-100BaseFX VF-45 Multimode Ports
065-75204SMC-15	4-100BaseFX SC Singlemode Ports (15 km span)
065-75204SMC-40	4-100BaseFX SC Singlemode Ports (40 km span)



Model
065-75204ST



Model
065-75204TX

See Specification Sheet for Additional Module Part Numbers and Configurations

SPECIFICATIONS

APPLICABLE STANDARDS

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

PORTS

12 modular ports, using RJ-45 10/100BaseT/TX (IEEE 802.3 10BaseT; 802.3u 100BaseTX) and/or 100BaseFX fiber optic interfaces with either ST multimode, SC multimode, MT-RJ multimode, VF-45 multimode, or SC singlemode connectors. 4 port interfaces on one module; 3 module slots per 065-7520 chassis
1 - RS-232C DB-9 local console serial port (Default Parameters: 9,600 bps, 8 data bits, no parity, 1 stop bit)

PERFORMANCE

Latency: <4.4 μ s (LIFO)
Throughput: 148,810 pps (64-byte packets)
Switch Fabric Speed: 2.8 Gbps

LED STATUS INDICATORS

PWR: Power on
LNK: Compliant device detected / Unit receiving data
TX: Data packets transmitted
RCV: Data packets received
FD: Full duplex mode

B

ETHERNET SWITCHES

Signamax Connectivity Systems' Model 065-7030Q Ethernet Switch features 16 ports that automatically negotiate the presence of 10/100Mbps and full or half-duplex network modes. Each port supports automatic MDI / MDI-X determination for convenient uplinking of multiple switches without using dedicated uplink ports or crossover cables. IEEE 802.1p QoS and IEEE 802.1Q Layer 2 VLAN tagged packets are recognized and acted upon by the switch, allowing local workstation connectivity in complex multi-switch networks. In addition, the switch accommodates ISO/OSI Layer 3 IP Header priority and port-based priority. Backed by a five-year performance warranty on all parts, including the power supply.

16-Port 10/100 QoS Ethernet Switch



16-Port 10/100 QoS Ethernet Switch

PART NO.	DESCRIPTION
065-7030Q	16-Port 10/100BaseT/TX QoS Desktop Ethernet Switch

SPECIFICATIONS

APPLICABLE STANDARDS

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseTX
- IEEE 802.3x Flow Control
- IEEE 802.3p Classification of Service (CoS)
- IEEE 802.3Q Tagged VLAN

PORTS

- 16 - RJ-45 10/100BaseT/TX ports (IEEE 802.3 10BaseT; 802.3u 100BaseTX)
- Auto-MDIX on every port for easy uplinking

PERFORMANCE

- Latency:** <4.5 μ s (LIFO)
- Throughput:** 148,809 pps (64-byte packets)
- Switch Fabric Speed:** 4.0 Gbps

PHYSICAL CHARACTERISTICS

- Dimensions:** W254mm x D135mm x H35 mm (10.0 x 5.3 x 1.4 in)
Desktop or Wall Mounting (using slots in case)
- Weight:** 1.6 kg. (3.5 lbs.)

LED STATUS INDICATORS

Power LED

- PWR:** AC Power on
Port LEDs

- LNK/ACT:** Network connection /
Transmitting or receiving data

- FDX/COL:** Full Duplex mode enabled
/Collision occurred

- IP:** QoS Status LEDs
Layer 3 IP Header priority on

- VLAN:** Layer 2 VLAN Tagging priority
on Port 1-6; Port 1-6-Port-based priority on

SAFETY

- UL 1950, CSA, TUV/GS

WARRANTY

- Five years, including power supply

Signamax Connectivity Systems' Desktop Switches makes it easy to increase user capacity and let 10 and 100 Mbps devices directly communicate with each other. Full duplex mode multiplies total network capacity by providing up to 200 Mbps bandwidth per port rather than sharing 100 Mbps bandwidth between hub users, and segments networks for improved performance by forwarding traffic only to the users to whom the message was sent. Auto-sensing speed feature automatically handles both 10 Mbps and 100 Mbps users.

State-of-the-art switches provide a straightforward upgrade from hub-based shared Ethernet using your existing investment in hardware, cabling and personnel training. By combining simple installation with dual-speed flexibility and scalable expansion, Signamax Ethernet switches virtually guarantee high network performance.

5- & 8-Port 10/100 Ethernet Switches



10/100 Ethernet Switch

PART NO.	DESCRIPTION
065-7005	5-Port 10/100BaseT/TX Desktop Ethernet Switch
065-7010	8-Port 10/100BaseT/TX Desktop Ethernet Switch

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3 10BaseT
 IEEE 802.3u 100BaseTX
 IEEE 802.3x Flow Control
 ANSI/IEEE 802.3 NWay Auto-negotiation

PORTS

Model 065-7005:

5 – RJ-45 10/100BaseT/TX Auto-MDI ports
 (IEEE 802.3 10BaseT; 802.3u
 100BaseTX)

Model 065-7010:

8 – RJ-45 10/100BaseT/TX Auto-MDI ports
 (IEEE 802.3 10BaseT; 802.3u
 100BaseTX)

PERFORMANCE

Throughput: 148,809 pps (64-byte packets)

Switch Fabric Speed:

Model 065-7005: 1.0 Gbps

Model 065-7010: 1.6 Gbps

PHYSICAL CHARACTERISTICS

Dimensions: W171mm x D98mm x H29 mm
 (6.7 x 3.9 x 1.1 in), both models
 Desktop or wall mounting,
 via slots in case

Weight: 473 g. (1.04 lbs.), both models

LED STATUS INDICATORS

Power, Full/Half Duplex, 10/100 Collision,
 Link/Activity (all models); Loop Detect
 (065-7010 only)

SAFETY

Power supply UL & cUL listed

WARRANTY

Five years, including power supply

B

ETHERNET SWITCHES

Signamax' Connectivity Systems' Compact Fiber Access Switches provide the right port interfaces you need for fiber-extended networks. The 065-7110 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. Tagged VLAN and Quality of Service (QoS) packets used to separate and prioritize sub-networks are transparently passed by these switches, to allow administrative and production networks to coexist on the same fiber link.

Compact Fiber Access Switch



Model
065-7110ST



Model
065-7110MT

065-7110 Switches

PART NO.	DESCRIPTION
065-7110SC	Multimode Compact Fiber Access Switch — SC
065-7110ST	Multimode Compact Fiber Access Switch — ST
065-7110MT	Multimode Compact Fiber Access Switch - MT-RJ (Special Order)
065-7110VF	Multimode Compact Fiber Access Switch - VF-45 (Special Order)
065-7110SM	Singlemode Compact Fiber Access Switch - SC (Special Order)
065-7110SMED	Singlemode Compact Fiber Access Switch - SC (Special Order)
065-7110SMXLD	Singlemode Compact Fiber Access Switch - SC (Special Order)

SPECIFICATIONS

APPLICABLE STANDARDS

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

PORTS

Models 065-7110FSC, 065-7110FST, 065-7110FMT & 065-7110FVF:

- 1 – Fixed 100BaseFX port, SC multimode (model 065-7110SC), ST multimode (model 065-7110ST), MT-RJ multimode (model 065-7110MT), or VF-45 multimode (model 065-7110VF) connectors. (IEEE 802.3u Type 100BaseFX)
Maximum distance: 2,000 meters with 62.5/125 micron or 50/125 micron multimode fiber cabling
- 7 – Fixed 10/100BaseT/TX ports, RJ-45 connectors; Additional RJ-45 connector wired crossover for convenient twisted-pair uplink capability. (IEEE 802.3u Type 10BaseT & 100BaseTX)

Models 065-7110SM, 065-7110SMED, & 065-7110SMXLD:

- 1 – Fixed 100BaseFX port, SC singlemode connector. (IEEE 802.3u Type 100BaseFX)
Maximum distance:
Model 065-7110SM: 15 kilometers with 9/125 micron or 10/125 micron singlemode fiber cabling
Model 065-7110SMED: 40 kilometers with 9/125 micron or 10/125 micron singlemode fiber cabling
Model 065-7110SMXLD: 75 kilometers with 9/125 micron or 10/125 micron singlemode fiber cabling
- 7 – Fixed 10/100BaseT/TX ports, RJ-45 connectors; Additional RJ-45 connector wired crossover for convenient twisted-pair uplink capability. (IEEE 802.3u Type 10BaseT & 100BaseTX)

LED STATUS INDICATORS

Power, Link/Activity, 100 Mbps, Full Duplex/Collision

PERFORMANCE

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

Switch Fabric Speed: 1.6 Gbps.

Address Table Size: 1,028 entries

PHYSICAL CHARACTERISTICS

Dimensions: W254mm x D135mm x H35 mm (10 x 5.3 x 1.4 in.)
Weight: 1.6 kg (3.5 lbs.)

EMISSIONS

FCC part 15 Class A,
CE Mark Class A, VCCI Class A

MOUNTING

Desktop or wall mounting

SAFETY

UL 1950

WARRANTY

Five years, including power supply

The Signamax 065-1505 and 065-1510 Broadband Access Routers are intelligent solutions for sharing Cable Modem or DSL services. Their built-in 4-port (model 065-1505) or 7-port (model 065-1510) switch facilitates file sharing at either 10 Mbps or 100 Mbps, automatically determining the fastest possible connection speed and duplex mode. They also provide print server capabilities, to allow printer sharing without requiring a particular computer to be left on at all times. Both models have an asynchronous RS-232 port that allows high-speed channel backup. They also incorporate a hardware-based firewall, securing your PCs from unwanted outside users breaking into your files and possibly using your PCs for illegal purposes. Configuration is easy, using common web-browser access for initial setup and ongoing management.

Broadband Access Router



Model
065-1510

065-1505 Broadband Access Router

PART NO.	DESCRIPTION
065-1505	4-Port Broadband Access Router
065-1510	7-Port Broadband Access Router

SPECIFICATIONS

APPLICABLE STANDARDS

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseTX
- IEEE 802.3x Flow Control
- ANSI/IEEE 802.3 Auto-negotiation
- IEEE 1284 Parallel Printer Port

PORTS

Model 065-1505:

- 4 – RJ-45 10/100BaseT/TX Local Area Network (LAN) ports (IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX)

Model 065-1510:

- 7 – RJ-45 10/100BaseT/TX Local Area Network (LAN) ports (IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX)

Both Models:

- 1 – RJ-45 10/100BaseT/TX Wide Area Network (WAN) port (IEEE 802.3 Type 10BaseT; 802.3u Type 100BaseTX)
- 1 – RS-232C DB-9 external modem/local console serial port (Default Parameters for local console use: 19,200 bps, 8 data bits, no parity, 1 stop bit)
- 1 – IEEE 1284 DB-25 female parallel printer port

PERFORMANCE

LAN & WAN

Port Throughput: 148,809 pps (64-byte packets)

Switch Fabric Speed:

Model 065-1505: 1.0 Gbps

Model 065-1510: 1.6 Gbps

MAC Address Table Size, both models: 1,024 entries

IP SHARER

Ethernet Interface:

- IP Address Support: Static or Dynamic
- Road Runner Supported: Yes
- PPP over Ethernet Supported: Yes
- DHCP Server Supported: Yes
- VPN Support: PPTP
- Upgrade Method: FTP or Windows AP
- Maximum Number of Users: 253

Asynchronous Interface:

- Dial-on-demand Supported: Yes
- Auto-disconnect Supported: Yes
- PAP/CHAP Supported: Yes
- PPP Supported: Yes
- ISDN TA Supported: Yes

Firewall Protection: Built-in NAT firewall using stateful packet inspection technology

PRINT SERVER

Supported Platforms: Win95/98/NT 4.0/2000/Me/XP; Unix LPR; Linux; Mac OS 7.6; Mac OS 8.1 or later

MANAGEMENT

Web-based configuration and management
Windows AP monitoring supported

LED STATUS INDICATORS

Power, Full/Half Duplex, 10/100, Collision, System Status, LAN Link/Activity, WAN Link/Activity, COM Port Activity (all models); Loop Detect (065-1510 only)

ELECTRICAL CHARACTERISTICS

Model 065-1505: External AC Power Supply

Model 065-1510: Internal AC Power Supply

Voltage: 100 to 230 Volts AC

Frequency: 47 to 63 Hz.

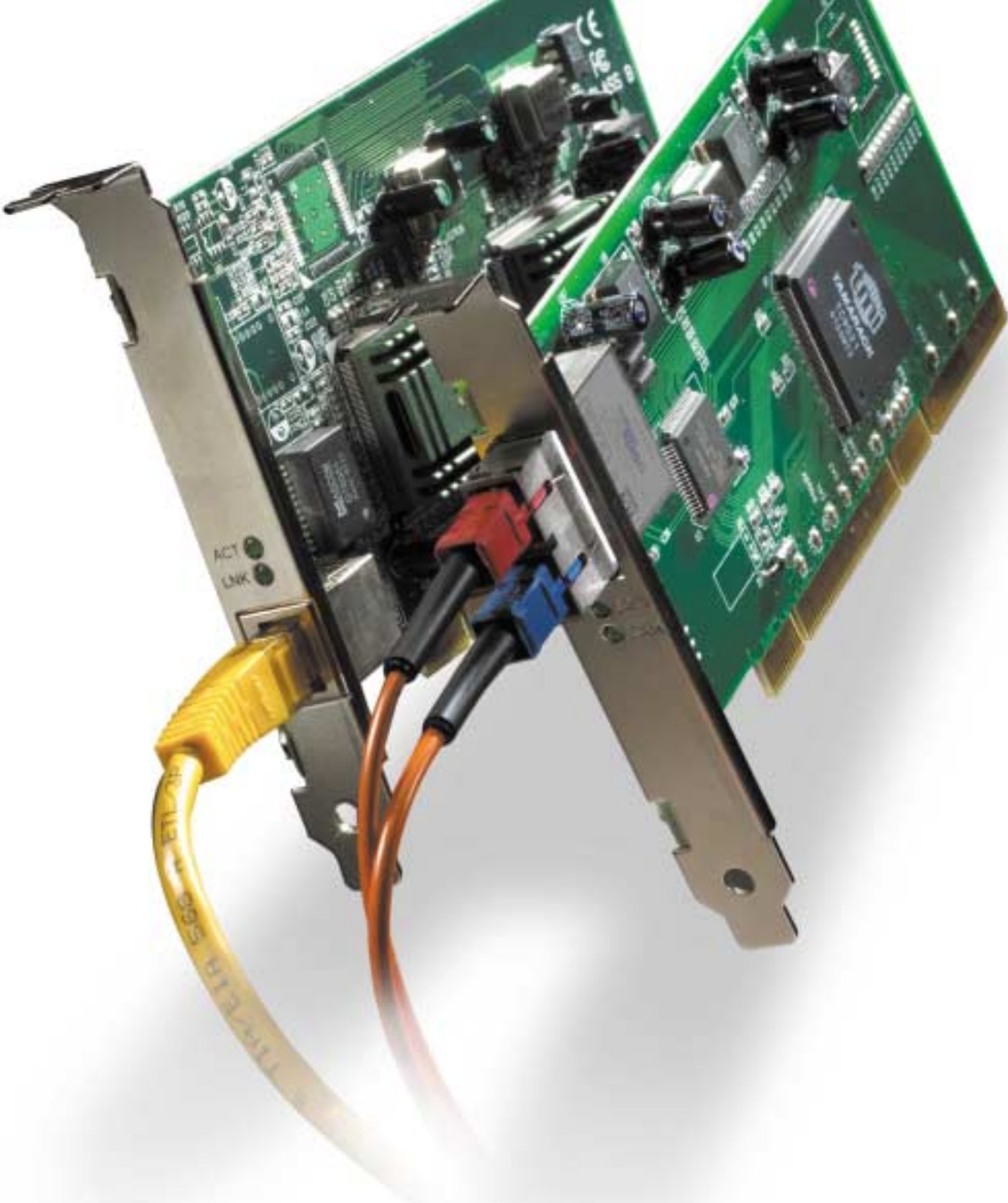
SAFETY

Power supply UL & cUL listed

WARRANTY

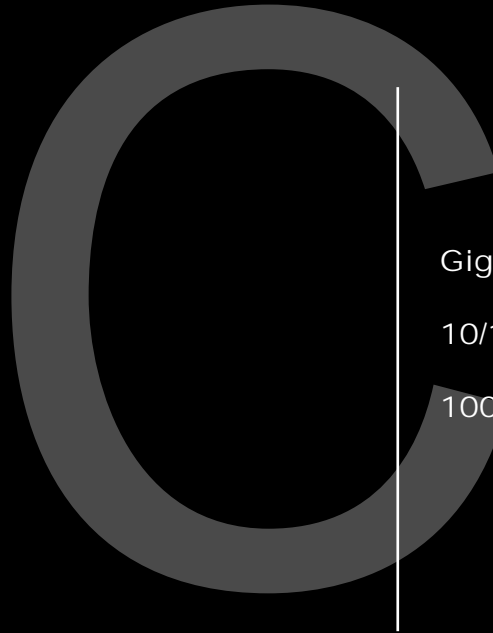
Five years, including power supply

NETWORK CONNECTIVITY PRODUCTS





Network Interface Cards



Gigabit Ethernet NICs

10/100 Ethernet PCI NICs

100BaseFX Ethernet PCI Fiber NICs

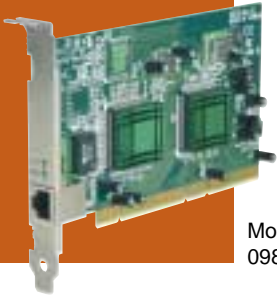


NETWORK INTERFACE CARDS

Signamax Connectivity Systems' Gigabit network adapter cards are used wherever it is necessary to provide Gigabit Ethernet capability directly into a server or workstation. These cards utilize the new high-speed 64/32-bit PCI Bus Mastering architecture and support IEEE 802.1p Quality of Service (QoS) and 802.1Q VLAN Tagging standards for complete network optimization.

The model 098-2000SX full-function fiber LAN card supports the IEEE 802.3z 1000BaseSX specification over either 50/125 micron or 62.5/125 micron multimode fiber optic cabling via it's SC fiber connector. The model 098-2000T twisted-pair LAN card supports the IEEE 802.3ab 1000BaseT specification in a Category 5E or better cabling system, using a standard RJ-45 jack. This card also supports 10BaseT and 100BaseTX transmission, allowing its use in networks evolving to Gigabit Ethernet.

Gigabit Ethernet PCI Adapter Cards



Model
098-2000SX



SPECIFICATIONS

STANDARDS COMPLIANCE

- IEEE 802.3z 1000BaseSX (Model 065-2000SX)
- IEEE 802.3ab 1000BaseT (Model 065-2000T)
- IEEE 802.3u 100BaseTX (Model 065-2000T)
- IEEE 802.3 10BaseT (Model 065-2000T)
- IEEE 802.3x Flow Control
- IEEE 802.1p Quality of Service
- IEEE 802.1Q Tagged VLAN
- PCI Specifications Revision 2.2

CONNECTOR

- Model 098-2000SX:** SC multimode 1000BaseSX. Requires either 62.5/125 micron or 50/125 micron multimode fiber optic cable.
- Model 098-2000T:** RJ45 10/100/1000BaseT/TX with Auto MDI/MDI-X Determination. Requires Category 5e cabling or better.

ARCHITECTURE

- 64/32-bit PCI Bus Mastering with Auto PCI
- Auto I/O Address Configuration
- Auto Full & Half Duplex modes

DIAGNOSTIC LEDS

- ACT:** Network detected + data transmitted/received
- LNK:** Connection detected

WARRANTY

- Lifetime Limited Warranty

Gigabit Ethernet PCI Adapter Cards

PART NO.	DESCRIPTION
098-2000SX	1000BaseSX PCI Network Adapter Card - SC Multimode
098-2000T	10/100/1000BaseT/TX PCI Network Adapter Card

Signamax Connectivity Systems' Model 098-1100 Fast Ethernet NWay network cards can turn a typical PCI computer into a high-performance, high-bandwidth, multi-media workstation. For even higher capacity, the Signamax Model 098-1100S Fast Ethernet NWay network cards, installed in a fast PCI computer, offers high-bandwidth power server performance that's ideal for use in demanding applications such as high-end graphics workstations. The card's superior processor occupancy performance allows servers in both client-server and peer-to-peer network architectures to function at their highest level. Both models use a standard RJ-45 jack to connect to either Ethernet or Fast Ethernet networks without any need to set configuration. Full or half duplex operation is also automatically detected. Includes drivers for all popular networks and operating systems.

Ethernet PCI Network Adapter Cards



Model
098-1100S

SPECIFICATIONS

STANDARDS COMPLIANCE

IEEE 802.3 10BaseT
 IEEE 802.3u 10BaseTX
 IEEE 802.3 10BaseT
 ANSI/IEEE 802.3 NWay Auto-negotiation
 PCI Specification 2.0/2.1.
 Supports Full and Half Duplex.

ARCHITECTURE

32-Bit PCI Bus Mastering, auto PCI BIOS setup.
 Auto I/O Address configuration
Model 098-1100: Realtek RTL8139 single chip Ethernet controller
Model 098-1100S: Intel 21143 single chip Ethernet controller

DIAGNOSTIC LEADS

ACT: Network Detected + Data Transmitted/Received
LNK: Connection Detected

WARRANTY

Lifetime Limited Warranty

Ethernet PCI Network Adapter Cards

PART NO.	DESCRIPTION
098-1100	10/100 PCI LAN Adapter with Wake-On-LAN
098-1100S	10/100 PCI Server LAN Adapter with Wake-On-LAN



NETWORK
INTERFACE
CARDS

SIGNAMAX Connectivity Systems' 100BaseFX Fiber Optic Network Adapter Cards offer you more network bandwidth, better data security, and longer transmitting range. Fiber network adapter cards are the key to a complete fiber-to-the-desktop solution for businesses requiring the utmost in data security. In addition, fiber to the workstation is the answer to Radio-Frequency Interference (RFI) and Electro-Magnetic Interference (EMI) generated from heavy machinery in industrial applications that cause repeated data resends and reduced transmission efficiencies.

100BaseFX PCI Fiber Optic Network Adapter Cards



100BaseFX PCI Fiber Optic Network Adapter Cards

PART NO.	DESCRIPTION
098-1100FSC	100BaseFX PCI Fiber LAN Adapter, Multimode SC Connector
098-1100FST	100BaseFX PCI Fiber LAN Adapter, Multimode ST Connector
098-1100FMT	100BaseFX PCI Fiber LAN Adapter, Multimode MT-RJ Connector
098-1100FVF	100BaseFX PCI Fiber LAN Adapter, Multimode VF-45 Connector
098-1100FSM	100BaseFX PCI Fiber LAN Adapter, Singlemode SC Connector



NETWORK CONNECTIVITY SYSTEMS

800 446-2377 or visit our Web Site at www.signamax.com.

These network adapters are available with ST, SC, MT-RJ, or VF-45 multimode connectors, or SC singlemode connectors at the fiber port. Advanced 32-bit PCI Bus Mastering architecture provides 133 Mbps bandwidth. Compliant with all industry standards; full-function cards include drivers for all popular networks and operating systems including Windows 2000, 95, 98, and NT4.0. Includes setup program for quick and simple installation.

SPECIFICATIONS

STANDARDS COMPLIANCE

IEEE 802.3u 100BaseFX
PCI Specification 2.0/2.1.
Supports Full and Half Duplex Operation.

ARCHITECTURE

32-Bit PCI Bus Mastering with auto PCI
Auto I/O Address configuration.
Boot ROM socket for remote booting.

INSTALLATION

Plug 'n Play

DRIVER SUPPORT

Novell NetWare, Server 3.x/4.x/5.0.
Client 32, Windows 2000, 95, 98,
NT3.51, NT4.0, WFW, Microsoft LAN,
IBM LAN, OS/2 Warp and LAN Server,
IBM Comm. Manager. FTP PC/TCP,
SUN PC-NFS, Packet driver, SCO
UNIX 4.x/5.x, Linux.

DIAGNOSTIC LEDS

TX/RX: Network detected + data
transmitted/received
FD: Full duplex mode
LINK: Fiber connection detected.

EMISSIONS

FCC Class A and CE approved

WARRANTY

Lifetime Limited Warranty.

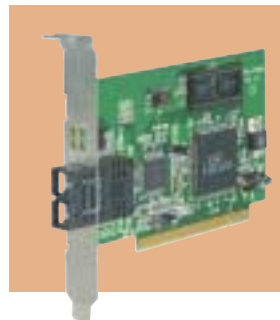
INCLUDES

Driver Disk and User Manual.

Model
098-1100FST



Model
098-1100FSM



Model
098-1100FMT



Model
098-1100FVF



NETWORK CONNECTIVITY PRODUCTS





KVM Switches



8-Port Cascadable KVM Switch

2, 4 & 6-Port KVM Switches

2-Port Compact KVM Switch

KVM Hydra Cables

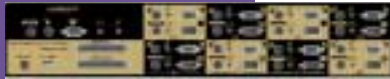
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KVM SWITCHES

Signamax Connectivity Systems' CommandView offers on-screen control in a full-featured, high performance KVM Switch. The on-screen display feature makes it easy to configure and control up to 64 computers from just one standard monitor, keyboard and mouse. You can name each computer system, making it easy to know which particular computer is currently under your control.

Expands to 8 banks of 8 CPUs each, using the included daisy chain cable; no CPU ports are lost to expansion. Individual port processors for flawless CPU booting. Automatically scan each computer at user selectable intervals. Dedicated keyboard and mouse emulation. IntelliMouse support plus PS/2 mouse conversion makes CommandView fully compatible with both PS/2 and AT style computers.

8-Port Cascadable KVM Switch



Model
098-8080
Rear Panel



8-Port KVM Switch

PART NO.	DESCRIPTION
098-8080	8-Port KVM Switch with On-Screen Control - PC-AT and PS/2

SPECIFICATIONS

SELECTION METHOD

Push-button, keyboard hot keys, or On-Screen Display (OSD) menu
Automatic or manual scan between powered-on computers; user selectable intervals. Audio alert to confirm switching

CONNECTIONS

CONSOLE — HDB15 female / mini DIN6 female / mini DIN6 female; 3.5mm Stereo socket (audio) / 3.5mm Mono socket (microphone)

PC PORTS — HDB15 male / mini DIN6 female / mini DIN6 female / DB9 female; 3.5 mm Stereo socket (audio) / 3.5 mm Mono socket

SLAVE OPERATION — DB37 female; daisy chain cable included. Supports up to 8 levels; maximum 64 PCs

MOUSE SUPPORT

PC-AT, PS/2 Keyboard, PS/2 Mouse including MS IntelliMouse.

Supports MS Serial Mouse via conversion; only PS/2 Mouse is needed for console

ON-SCREEN DISPLAY

Control any connected PC with user-definable channel names up to eight characters long

WARRANTY

Five years, including power supply

D1

NETWORK CONNECTIVITY SYSTEMS

800 446-2377 or visit our Web Site at www.signamax.com.

Signamax Connectivity Systems' CommandView is the perfect solution for convenient control of up to six computers from just one keyboard, monitor, and mouse. Quick, simple connection and you're in total control. No software required; completely plug & play. Select any computer with push-button ease. Auto Scan at user-selectable intervals. Dedicated keyboard and mouse emulation. Intelligent mode operation ensures each keyboard's LED status & typematic rates are automatically restored.

2-, 4- & 6-Port KVM Switches



Model
098-8040



Model 098-8060

KVM Switches

PART NO.	DESCRIPTION
098-8020	2-Port KVM Switch - PC-AT and PS/2
098-8040	4-Port KVM Switch - PC-AT and PS/2
098-8060	6-Port KVM Switch - PS/2 Only

SPECIFICATIONS

SELECTION METHOD

Push-button or keyboard hot keys. Automatic or manual scan between powered-on computers; user selectable intervals. Audio alert to confirm switching

CONNECTIONS

Model 098-8020:

(Console) - Video [15-pin female], PS/2 Mouse [6-pin mini-DIN female], AT Serial Mouse [DB-9 male], AT Keyboard [5-pin DIN female].
(CPU 1 & 2) — Video [15-pin male], PS/2 Mouse [6-pin mini-DIN female], AT Serial Mouse [DB-9 female], AT Keyboard [5-pin DIN female]. One (1) PS/2 Keyboard Adapter [6-pin mini-DIN female to 5-pin DIN male]
Adapter included in package

Model 098-8040:

(Console) - Video [15-pin female], PS/2 Mouse [6-pin mini-DIN female], PS/2 Keyboard [6-pin mini-DIN female], AT Keyboard [5-pin DIN female].
(CPU 1-4) — Video [15-pin male], PS/2 Mouse [6-pin mini-DIN female], AT Serial Mouse [DB-9 female], AT Keyboard [5-pin DIN female], PS/2 Keyboard [6-pin mini-DIN female]

Model 098-8060:

(Console) - Video [15-pin female], PS/2 Mouse [6-pin mini-DIN female], PS/2 Keyboard [6-pin mini-DIN female]. (CPU 1 - 6) — Video [15-pin male], PS/2 Mouse [6-pin mini-DIN female], PS/2 Keyboard [6-pin mini-DIN female]

MOUSE SUPPORT

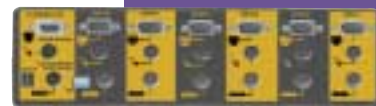
Model 098-8020: PC-AT & PS/2 mouse at console and CPUs

Model 098-8040: PS/2 Mouse at console, PC-AT & PS/2 mouse at CPUs; Microsoft Intellimouse supported

Model 098-8060: PS/2 mouse only

WARRANTY

Five years, including power supply



Model 098-8060
Rear Panel

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KVM SWITCHES

Signamax Connectivity Systems' CommandView is the perfect solution for convenient control of two computers from just one keyboard, monitor, and mouse. Quick, simple connection and you're in total control. No software required; completely plug & play. Select any computer with push-button ease. Auto Scan at user selectable intervals. Dedicated keyboard & mouse emulation. Intelligent mode operation ensures each keyboard's LED status & typematic rates are automatically restored.

2-Port Compact KVM Switch



Model 098-8025
Rear Panel



SPECIFICATIONS

SELECTION METHOD

Push-button or keyboard hot keys.
Automatic scanning between CPUs.
Audio alert to confirm switching.

CONNECTIONS

CONSOLE — HDB15 female/mini
DIN6 female/mini DIN6 female
PC PORTS — HDB15 male/mini DIN6
female/mini DIN6 female DB9 female

MOUSE SUPPORT

PS/2 Keyboard, PS/2 Mouse,
including MS IntelliMouse.

WARRANTY

Lifetime Limited Warranty

KVM Switches

PART NO.	DESCRIPTION
098-8025	2-Port KVM Switch - PS/2 Only

Tangle-proof, single-cable design combines monitor, keyboard and mouse cables into a single, flexible harness.

Available in two models and in a variety of lengths for connection between CommandView KVM switches and your computers, and also as an extension between your monitor, keyboard, and mouse to the CommandView KVM switch.

KVM Hydra Cables



KVM Hydra Cables

PART NO.	DESCRIPTION
C-65T-6B	6' HD15M-F, (2) DIN6M-F, from Monitor, PS/2 Keyboard, PS/2 Mouse to KVM Switch
C-65T-10B	10' HD15M-F, (2) DIN6M-F, from Monitor, PS/2 Keyboard, PS/2 Mouse to KVM Switch
C-69T-6B	6' HD15M-F, (2) DIN6M-M, Monitor, PS/2 Keyboard, PS/2 Mouse ports to CPU
C-69T-10B	10' HD15M-F, (2) DIN6M-M, Monitor, PS/2 Keyboard, PS/2 Mouse ports to CPU
C-69T-20B	20' HD15M-F, (2) DIN6M-M, Monitor, PS/2 Keyboard, PS/2 Mouse ports to CPU
C-69T-30B	30' HD15M-F, (2) DIN6M-M, Monitor, PS/2 Keyboard, PS/2 Mouse ports to CPU