

SIGNAMAX CONNECTIVITY SYSTEMS

Signamax™ Connectivity Systems
065-7111F series
Compact Fiber Access Switch

U S E R ' S G U I D E

Signamax™ Connectivity Systems

065-7111F series

Compact Fiber Access Switch

User's Guide

Table of Contents

Table of Contents	1
Packing List	2
FCC Statement	2
Introduction	3
Product Features.....	3
Front Panel	3
LEDs	3
Installation	4
Selecting a Site for the Switch.....	4
Connecting to Your Network.....	4
Specifications	5
Contact Information	6

Packing List

Please inspect the contents and report any apparent damage or missing items immediately to our authorized reseller.

- The Signamax™ 065-7111F series Compact Fiber Access Switch
- User's manual
- One AC power cord

FCC Statement

The FCC (Federal Communications Commission) restricts the amount of radio frequency emission and radiation coming from computer equipment. The Ethernet switch stated in this manual has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user is required to correct the interference at his/her own expense. Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.

Introduction

The Signamax™ 065-7111F series Compact Fiber Access Switch is an 8-port Ethernet switch, integrating 10/100BaseTX (100BaseFX) networks in a cost-effective compact size package. The TX ports can auto sense speed and half/full duplex modes and auto-MDIX.

Product Features

- 7-port for 10/100BaseTX and 1-port for 100BaseFX.
- The TX ports auto negotiate for 10/100Mbps speed, auto detect full/half duplex mode, and auto-MDIX.
- Choices of SC, ST, MT-RJ, VF-45, or LC connectors for FX ports.
- Broadcast storming filter function.
- True non-blocking architecture.
- Full wire-speed forwarding rate.
- Store-and-forward mechanism.
- Back pressure and IEEE802.3x compliant flow control.
- Supports 2K MAC addresses.
- Supports 1M bits buffer memory.
- Front panel power and port status LEDs.
- Compact size.

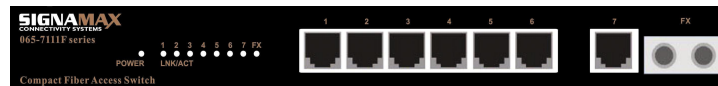
Front Panel

The front panel of the switch has eight ports and an array of LED indicators to provide you with instant feedback on the status of the switch.

LEDs

The array of LED indicators on the front panel conveys status and configuration information to help you monitor and troubleshoot the switch.

Figure 1: Front & rear panels



- ❶ **Power** This LED comes on when the switch is connected to the power.
- ❷ **Port Status** Each port has a LED, indicating the port status.
- ❸ **Power Adapter** Connect the supplied AC power cord to the receptacle on the back of the switch, then plug the cord into a standard AC outlet with a voltage range from 100 to 240 VAC.

Table 1: Port Status

LED	State	Indication
LNK/ ACT	Steady	The port has established a valid network connection. LNK stands for LINK.
	Flashing	The port is transmitting or receiving data. ACT stands for ACTIVITY.

Installation

Selecting a Site for the Switch

As with any electronic device, you should place the switch where it will not be subject to extreme temperatures, humidity, or electromagnetic interference. Specifically, the site you select should meet the following requirements:

- The ambient temperature should be between 32 and 104 degrees Fahrenheit (0 to 40 degrees Celsius).
- The relative humidity should be less than 90 percent, non-condensing.
- Surrounding electrical devices should not exceed the electromagnetic field (RF) standards for IEC 801-3, Level 2 (3V/M) field strength.
- Make sure that the switch receives adequate ventilation. Do not block the ventilation holes on the side of the switch or the fan exhaust port on the rear of the switch.
- The power outlet should be within 6 feet (1.8 meters) of the switch.

Connecting to Your Network

Connect network cables from computers or network segments to the TX (FX) ports on the back of the unit.

Table 2: Cabling Information

Speed	Connector	Port Speed Half/Full Duplex	Cable
100BaseTX	RJ-45	100/200 Mbps	100 m, Category 5 or better STP/UTP
10BaseT	RJ-45	10/20 Mbps	100 m, Category 3, 4, 5 or better STP/UTP
100BaseFX multimode	SC, ST, MT-RJ, VF-45, or LC	100/200 Mbps	Up to 2 km, 50 or 62.5/125 μ m multimode fiber cable
100BaseFX singlemode	SC	100/200 Mbps	Up to 75 km, 9 or 10/125 μ m singlemode fiber cable

Specifications

Applicable Standards	IEEE 802.3, 10BaseT, IEEE 802.3u, 100BaseTX/FX
LED Indicators	Per unit – Power Status Per Port – LNK/ACT
Cable	10BaseT 2-pair UTP/STP Cat. 3,4,5 or better, up to 100m 100BaseTX 2-pair UTP/STP Cat.5 or better, up to 100m 100BaseFX 50 or 62.5/125µm multimode fiber optic cable, up to 2km 100BaseFX 9 or 10/125 µm singlemode fiber optic cable, up to 75 km (distance spanned is model-dependent)
Switching Methods	Store-and-Forward
Forwarding Rate	14,880 packets per second for 10 Mbps, 148,800 packets per second for 100 Mbps
AC Input	100 ~ 240 V AC, 50 - 60 Hz.
Power consumption	3.3 V DC, 2.5 A, 8.25 Watts maximum
Operating Temperature	32° F ~ 104° F (0° C ~ 40° C)
Storage Temperature	-13° F ~ 158° F (-25° C ~ 70° C)
Humidity	10%~90%, non-condensing
Emissions	FCC part 15 Class A, CE Mark
Dimensions	10.0 x 5.3 x 1.4 inches [W x D x H] (254 x 135 x 35 mm)
Weight	3.5 lb. (1.6 kg)

Contact Information

SIGNAMAX™ CONNECTIVITY SYSTEMS

An AESP Company

1810 N.E. 144th Street.

North Miami, Florida 33181, U.S.A.

Phone: 305-944-7710 Fax: 305-652-8489

Sales: 800-446-2377 Tech. Support: 800-446-2377, ext. 201

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

E-mail: info@signamax.com

EUROPE

AESP Ukraine. (UKRAINE)

2 Timiryazevskaya St. 47

252014 Kiev, Ukraine

Phone: +380 44 296.53.57

Fax: +380 44 294.88.60

[Http://www.aesp.com.ua](http://www.aesp.com.ua)

E-mail: alesp@alesp.com.ua

AESP Sweden. (SWEDEN)

Grevegatan 19-21 SE-815

40 TIERP. SWEDEN

Phone: +46-(0)-293-228 88

Fax: +46-(0)-293-228 89

Phone: +49-81-35-9303-0

[Http://www.aesp.se](http://www.aesp.se)

E-mail: info@alesp.se

JOTEC AESP AS. (NORWAY)

Telefon 23 14 17 00 Ordrefax

23 14 17 10 Karihaugveien 102

Postboks 50 Ellingsrudasen

1006 Oslo, Norway

Phone: +47-23-14-1700

Fax: +47-23-14-1710

[Http://www.jotec.no](http://www.jotec.no)

E-mail: jotec@jotec.no

AESP Russia. (RUSSIA)

Kronshtadtsky Blv.

125499 Moscow, Russia

Phone: +7 095-456-0704

Phone: +7 095-456-0344

Fax: +7 095-454-3040

[Http://www.aesp.ru](http://www.aesp.ru)

E-mail: alesp@alesp.ru

AESP Germany GmbH (GERMANY)

Weisserfelderstr.2 D-85551

Kirchheim b. München, Germany

Phone: +49-89-901-097-0

Fax: +49-89-901-097-22

E-mail: alesp.info@t-online.de

INTELEK spol.s.r.o (CZECH REPUBLIC)

Vlarska 22,

Brno, CZ 62700

CZE Czech Republic

Phone: +420-5-481-27248

Fax: +420-5-481-27247

[Http://www.intelek.cz](http://www.intelek.cz)

E-mail: info@intelek.cz