



Industrial Serial to Fiber Media Converter

065-1062AF Series

Hardware Installation Guide

Version 1.0

Updated on May, 2012



Introduction

Thank you for choosing the Signamax Industrial DIN-Rail Serial to Fiber Media Converter. The 065-1062AF Series provides industrial grade media conversion between Fiber and RS-232/422/485.This Guide covers two models:

- FO-065-1062AFSC:
Industrial RS-232/422/485 to Multi-mode Fiber Converter, SC connector
- FO-065-1062AFSM:
Industrial RS-232/422/485 to Single-mode Fiber Converter, SC connector

Inside the Package

Item	Specifications/Descriptions
Signamax 065-1062AF	Industrial Serial to Fiber Media Converter x1
Terminal Block	3-pin Terminal Block (2ESDVM-03P) x1
Terminal Block	5-pin Terminal Block (2ESDVM-05P) x1
Installation Guide	Hardware installation guide (Warranty card is included) x1

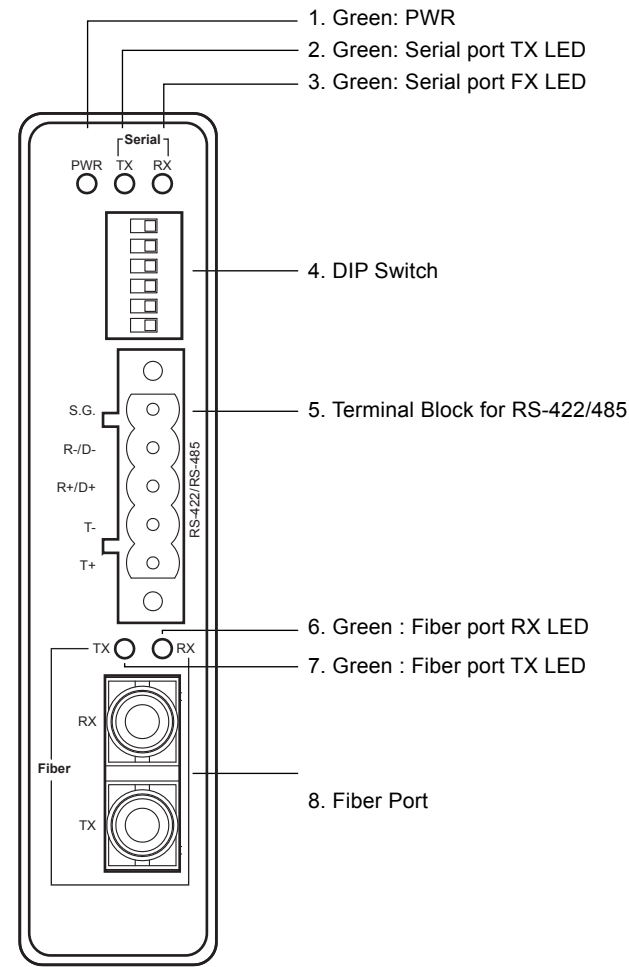
Optional Accessories

Item	Specifications/Descriptions
065-1062AWM	Wall Mount Bracket x 2 Screw x 2

Product Description

065-1062AF Series

Front View

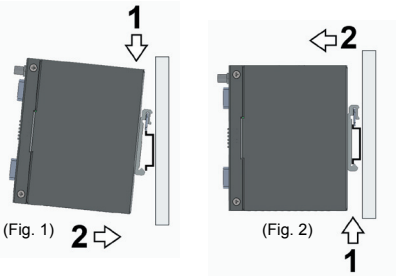


065-1062AF Series LED Indicators

Name	LED	Status	Description
PWR	Green	ON	Power status is ready
		OFF	Power input is not plugged yet
Serial TX	Green	Blink	The device is transferring data through the port
Serial RX	Green	Blink	The device is receiving data through the port
Fiber TX	Green	Blink	The device is transferring data through the port
Fiber RX	Green	Blink	The device is receiving data through the port

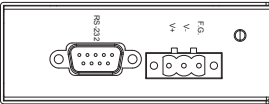
Installation Overview

- The 065-1062AF comes with the DIN-Rail fixture will be already mounted to the device, you can immediately proceed to put the device on the DIN-Rail, Fig. 1. To remove the device from DIN-Rail proceed to Fig. 2.



- There is a screw close to the power terminal block this screw is used to connect the grounding of the 065-1062AF. Although internal grounding has been done inside, in order to ensure overall maximum performance and protect your device it is still strongly advised to link this point to the ground as well; hazardous ESD can come into contact with it and damage your equipment. On the power terminal block, there is a terminal for Frame Ground, you can choose whether to connect it to the grounding, you may opt between only one of these two grounds (the one chosen should be connected at all times).

You can then choose whether to place the power terminal block at this point or do it later depending on the actual location of the device and/or level of comfort for performing such operation.

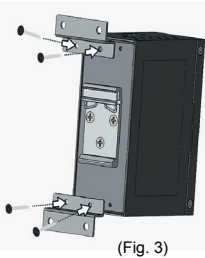


- Connect the RS-232 or 422/485 cable to the Serial port on 065-1062AF, proceed then to connect the other end to your serial device.
- Connect the Fiber Port, at this point the TX and RX indicators will be OFF, they will only start blinking once data is being transferred.

Note:
It is strongly recommended to attach all the communications cables first and then proceed to connect the power.

In case you purchased the optional mounting kit (mounting plates), there are mounting plates and screws that come inside the package; proceed to place the screws on the back of the device as shown in Fig. 3.

Once the plate has been firmly put in place, proceed to mount the whole device on your place of preference.



Configuration and Setting Methods

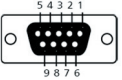
065-1062AF Series DIP Switch Definition

Setting	Pin 1	Pin 2
RS-232	ON	ON
RS-422	ON	OFF
RS-485-2W	OFF	ON
RS-485-4W	OFF	OFF

RS-485 Terminator 120ohm	Pin 3	RS-485 Data- Pull Low Resister	Pin 4
Enable	ON	1K	ON
Disable	OFF	100K	OFF

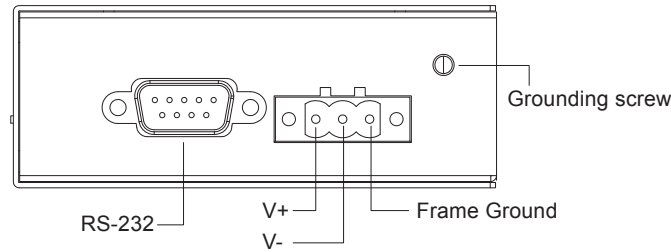
RS-485 Data+ Pull High Resister	Pin 5	Fiber Mode	Pin 6
1K	ON	Ring Mode	ON
100K	OFF	Point to Point Mode	OFF

Pin Assignment of Serial Connections

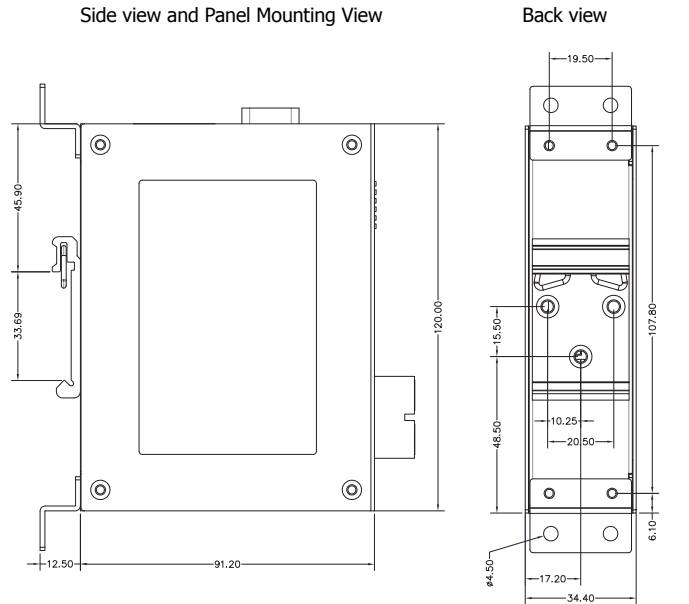
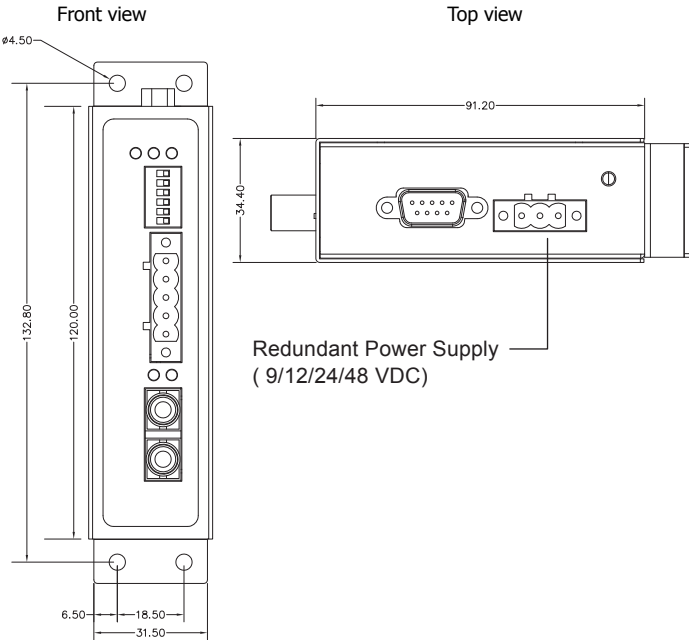
Female	
	
RS-232 Pin Assignment	
1	DCD
2	TX
3	RX
4	DTR
5	S.G.
6	DSR
7	RTS
8	CTS
9	N/A

Note:
DCD, DTR, and DSR are shorted internally
CTS and RTS are shorted internally

3-pin Terminal Block for Power Input
065-1062AF Series



065-1062AF Series
Mechanical Dimensions (unit=mm)



SIGNAMAX
CONNECTIVITY SYSTEMS

If you are experiencing problems or you have any questions about this product, please contact our Technical Support team for assistance.

For the fastest solution to most problems, 24 hours, 7 days a week, visit the Customer Support area of our Internet site at www.signamax.com

If you are unable to resolve the problem at our web site or require additional information, please contact us by **e-mail at techsupport@signamax.com**

When sending e-mail or calling, please be prepared to give a detailed description of your problem to help our Support Representatives get you up and running as quickly as possible.

If possible, have access to your computer as the Support Representative may ask you to perform additional tests to determine the cause of the problem.

TECHNICAL SUPPORT HOURS:
9 A.M. TO 5 P.M. EST Monday - Friday
Web Page: www.signamax.com • e-Mail: techsupport@signamax.com

Contact our Help Line in the United States by
Telephone 1-800-446-2377
(In Florida and outside of the United States, please call 305 944-7710)
ADDRESS:
SIGNAMAX CONNECTIVITY SYSTEMS / AESP
999 NW 159th Drive, Miami, FL 33169

For more information or nearest reseller call:1 800 446-2377

PN: ZFLIFEWARRCARDACT

**LIMITED
WARRANTY**

SIGNAMAX CONNECTIVITY SYSTEMS, an AESP Company ("SIGNAMAX"), warrants this product against defects in materials and workmanship for the life of the product to the original purchaser.

If you discover a defect, SIGNAMAX will, at its sole option, repair or exchange the product at no charge to you, provided you contact SIGNAMAX Technical Support to obtain a Return Material Authorization (RMA) Number and instructions on where and how to obtain repair.

Note: a copy of your bill of sale bearing the SIGNAMAX model number as proof of date of purchase is required for each product returned for warranty service. Before returning product, remove all non-SIGNAMAX RAM, accessories, and options. SIGNAMAX can not be liable for the return or care of any non-SIGNAMAX products, nor accept responsibility for loss or damage of product in transit.

This warranty does not apply if the product has been damaged by accident, installation or removal of product, abuse, misuse, misapplication, neglect, fire, water, lightning, or other acts of nature, failure to follow supplied instructions, has been modified, repaired or undergone attempted repair by unauthorized personnel without the written consent of SIGNAMAX; has a serial number that has been removed, modified, or defaced.

SIGNAMAX reserves the right to use remanufactured, refurbished, or used parts and components in making warranty repairs.



Certain features of third-party software or hardware designed for the host system may not be available when used with this product. Accordingly, SIGNAMAX does not warrant or represent that all software or hardware will function error-free when used in conjunction with this SIGNAMAX product.

This warranty is in lieu of all other warranties, whether oral or written, express or implied. All express and implied warranties for this product, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the warranty period.

No warranties, express or implied, will apply after this period. SIGNAMAX shall not be liable for any lost profits, damage to other property caused any defect in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial use, incidental and/or consequential damages for the breach of any express or implied warranty, including damage to property and, to the extent permitted by law, damages for personal injury, even if SIGNAMAX has been advised of the possibility of such damages.

Some states do not allow the inclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, therefore the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.