



Industrial Serial to Fiber Media Convertor

HNT-1101FS/FM-SC-T-X1 series

Hardware Installation Guide

Version 1.1

Updated on February, 2018



Introduction

Thank you for choosing the Sbjlink Industrial DIN-Rail Serial to Fiber Media Converter. The HNT-1101FMFS-SC-T-X1 Series provide industrial grade media conversion between Fiber and RS-232/RS-422/RS-485.This Guide covers four product models:

- HNT-1101FM-SC-T-X1:
Industrial RS-232/422/485 to Multi-mode Fiber Converter, SC connector
- HNT-1101FS-SC-T-X1:
Industrial RS-232/422/485 to Single-mode Fiber Converter, SC connector
- HNT-1101FM-ST-T-X1:
Industrial RS-232/422/485 to Multi-mode Fiber Converter, ST connector
- HNT-1101FS-ST-T-X1:
Industrial RS-232/422/485 to Single-mode Fiber Converter, ST connector

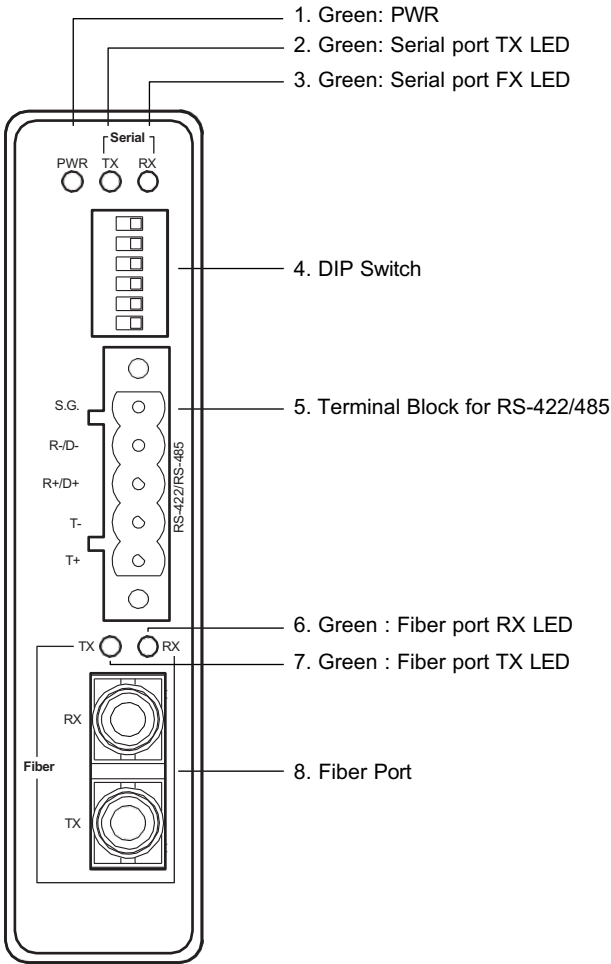
Inside the Package

Sbjlink Model	Specifications/Descriptions
HNT-1101FM/FS	Industrial Serial to Fiber Media Converter x1
Terminal Block	3-pin Terminal Block x1
Terminal Block	5-pin Terminal Block x1
Installation Guide	Hardware installation guide: Sbjlink website download

Optional Accessories

Item	Specifications/Descriptions
Terminal Block	3-pin Terminal Block
Terminal Block	5-pin Terminal Block x1
Adapter	3-pin Terminal Block (5.08 mm) power adaptor,100-240VAC input, 1.25A @ 12VDC output, US plug
Adapter	3-pin Terminal Block (5.08 mm) power adaptor,100-240VAC input, 1.25A @ 12VDC output, EU plug

Product Description HNT-1101FM/FS-SC-T-X1 Front View

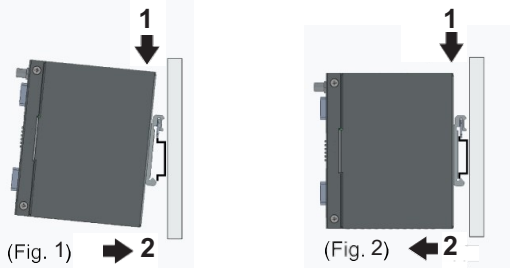


LED Indicators

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

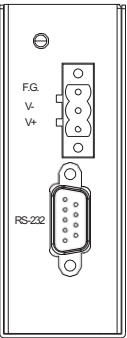
Installation Overview

1.The HNT-1101FM/FS-SC-T-X1 Series 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.



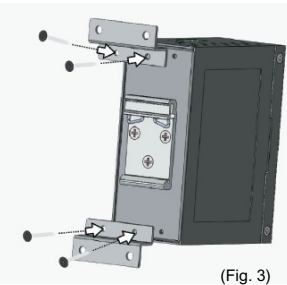
2.There is a screw close to the power terminal block this screw is used to connect the grounding of the HNT Series. Although internal grounding has been done inside, in order to ensure overall maximum performance and protect your device it is still strongly advised to link this point to the ground as well; hazardous ESD can come inton 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 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 device and/or level of comfort for performing such operation.



- 3.Connect the RS-232 or 422/485 cable to the Serial port on HNT-1101FM/FS-SC-T-X1 Series, proceed then to connect the other end to your serial device.
- 4.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

HNT-1101FM/FS-SC-T-X1 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

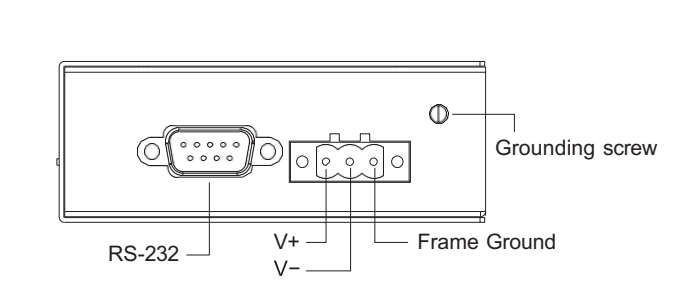
Female

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

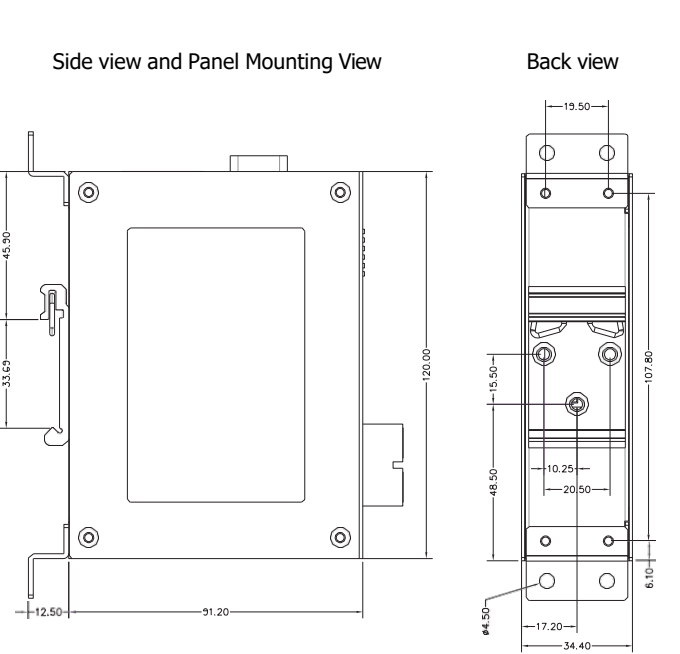
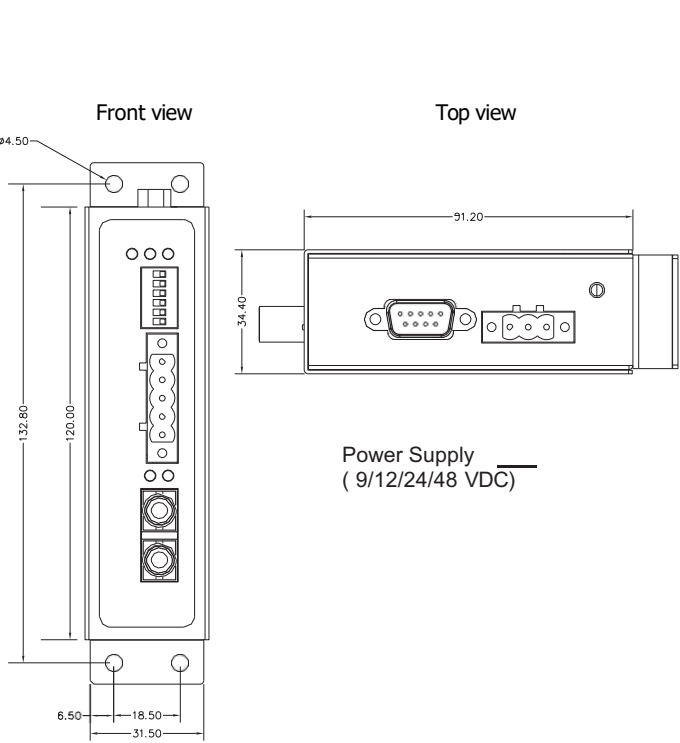
Note:
DCD, DTR, and DSR are shorted internally CTS and RTS are shorted internally

RS-422/485 Pin Assignment					
	1	2	3	4	5
RS-422	T+	T-	R+	R-	S.G.
RS-485 2W			Data+	Data-	S.G.
RS-485 4W	T+	T-	R+	R-	S.G.

3-pin Terminal Block for Power Input



Mechanical Dimensions (unit=mm)



Warranty Policy

Warranty Conditions

Products supplied by Subject Link Inc are covered in this warranty for sub-standard performance or defective workmanship. The warranty is 5 year for HNT-1101FM/FS-SC-T-X1 series.

1. Please contact your local dealers or Sbjlink Support at the following.
Phone: + 886-935672398
Email: support@sbjlink.com

2. Please report the defected problems and request RMA authorization with below E-mail: support@sbjlink.com or sales@sbjlink.com

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