

RUS-115STD Serial To Fiber Converter

Features

High Performance Design

- ✓ Complies with EIA/TIA-232, EIA/TIA-574 & CCITT V.28 standard
- ✓ Provides 1 serial port supporting RS-232
- ✓ Provides 1 x 100 Mbps single-mode fiber, ST connector with DB9 interface
- ✓ Supports asynchronous data transfer rate up to 115.2 Kbps
- ✓ Supports 4-wire full and 2-wire asynchronous data transmission
- ✓ DTE, DCE push button setting available

Robust Industrial Design

- ✓ Robust metal case
- ✓ Supports operating temperature 0 to 60°C
- ✓ Available with 35 mm DIN-Rail mounting kit, Wall mount or desktop installation

Reliable Power Design

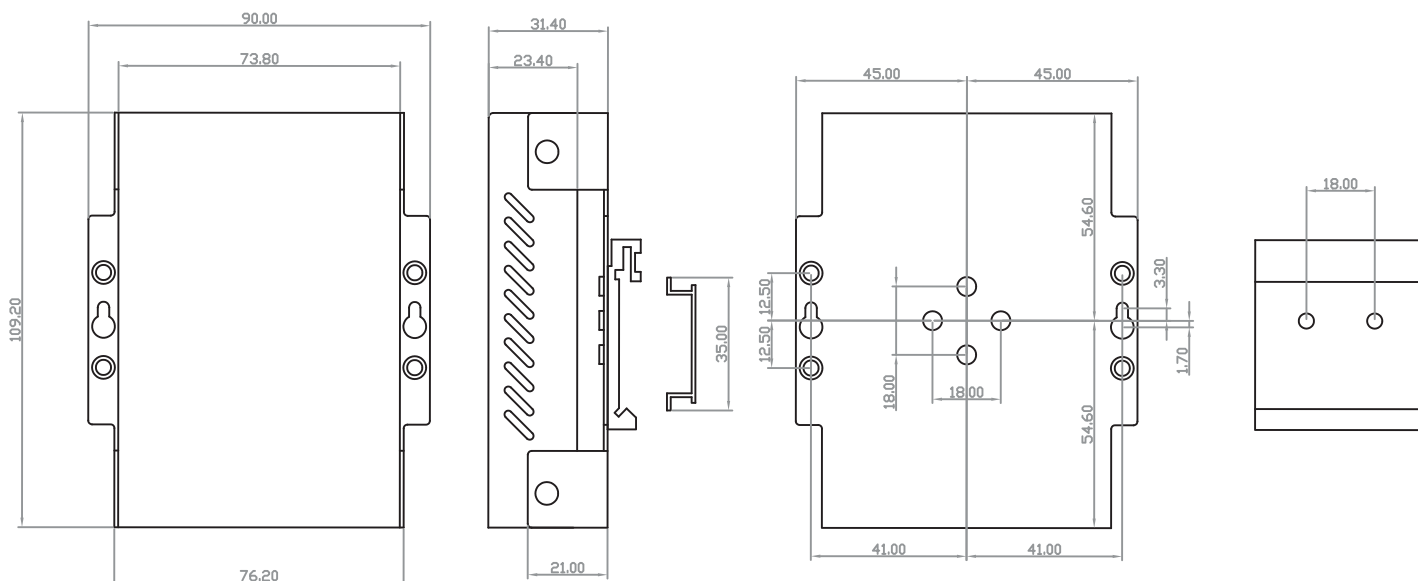
- ✓ Wide power Input from 9~32 VDC
- ✓ Supports ESD, EFT and Surge protection
- ✓ External power adapter available different power plug standards



Overview

The Retriever RUS-115STD is a RS-232 to fiber converter with ST connector and DB9 interface. RUS-115STD provides a cost effective solution for extending distances to between single-mode fibers up to 30km. Long haul distances are also available with a maximum transmission of 120 km. RUS-115STD is ideal for connecting data communication devices situated in manufacturing intensive environments where electromagnetic and radio-frequency interference is a major concern. Data integrity is ensured in view that the characteristics of fiber-optic cables that make any leakage of transmission are easily detectable by deploying the converters. Its plug and play operation makes it easy to combine the advantages of fiber technology with a RS-232 serial based network.

Dimensions



Hardware Specifications

Serial Interface

Serial Port	1 x serial RS-232 (DB9 male)
Fiber Port	1 100Base-FX single-mode port (ST connector)
LED	PWR: Green Illuminated for normal operation LNK: Green Illuminated when receiving link pulse from compliant device RCV: Amber Illuminated when receiving packets from DTE or DCE
Power Input	VDC 9~32V
Power Protection	ESD, EFT, Surge: Present
Power Consumption	2.24 watts
Weight	280 grams
Dimension	90 mm (W) x 31.5 mm (H) x 109.2 mm (D)

Environmental

Operating Temperature	Regular 0 to 60°C
Storage Temperature	-20 to 80°C
Operating Humidity	10%~80% RH (Non-condensing)

Technology Specifications

Standard	EIA/TIA-422, EIA/TIA- 485
Maximum Distance	Fiber distance up to 30 km (Single-mode)
Data rates	Serial: max. 115.2 kbps (asynchronous)

Regulatory Approvals

EMI	FCC Class A
EMS	EN6100-4-2, EN6100-4-3, EN-6100-4-4, EN6100-4-5, EN6100-4-6, EN61000-4-11
Safety	CE/EN60950
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32
Environmental	WEEE, RoHS
MTBF	300,000 hrs based on Mil-Hdbk-217F, GB
Warranty	3 years

Optical Specifications

Model	Fiber type (um)	Connector	Wavelength (um)	TX Power (min)	TX Power (Max)	Rx Power (Min)	Rx Power (Max)	Link Budget (dbm)	Distance (km)
RUS-115STD	Single-mode 8-10/125	ST	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km

Ordering Information

RUS-115STD

RS-232 to Fiber converter, Single-mode ST connector, DB9 male