

RUS-125MCT 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-422/485
- ✓ Provides 1 x 100 Mbps multi-mode fiber, SC connector with Terminal block interface
- ✓ Supports asynchronous data transfer rate up to 115.2 Kbps
- ✓ 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

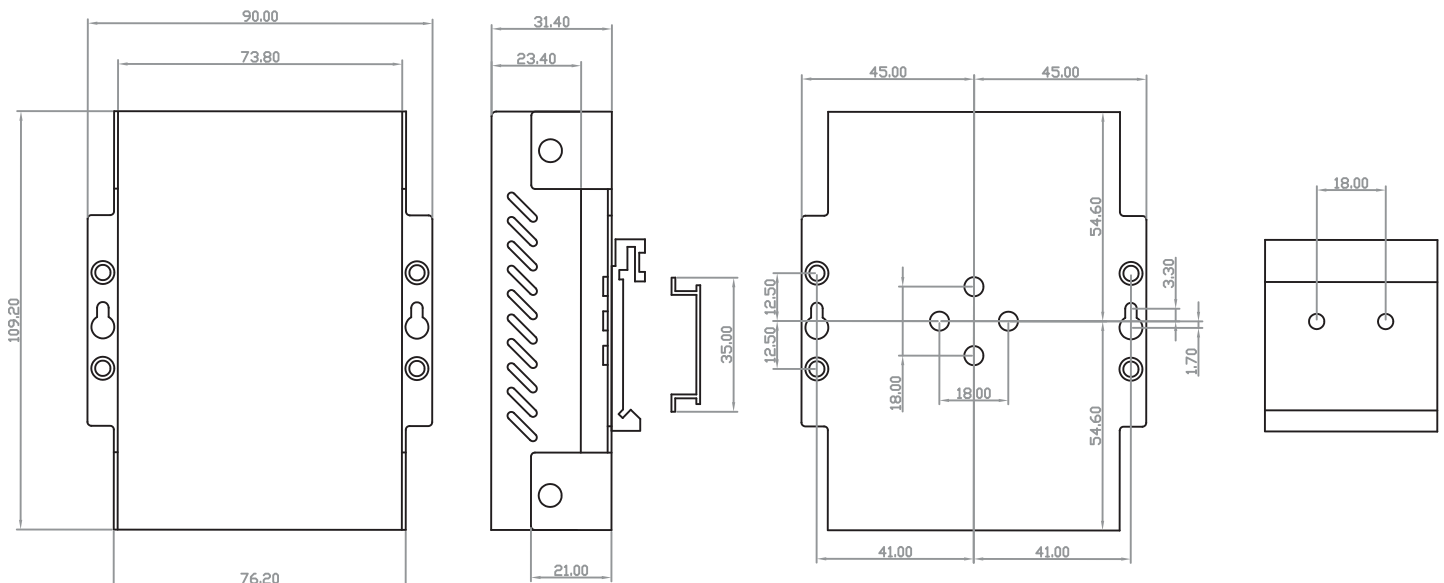
- ✓ Wide power Input from 9~32 VDC
- ✓ Supports ESD, EFT and Surge protection
- ✓ External power adapter available different power plug standards



Overview

The Retriever RUS-125MCT is a RS-422/485 to fiber converter with SC connector and Terminal block interface. RUS-125MCT provides a cost effective solution for extending distances to between multi-mode fibers up to 2 km. It enables network managers to install fiber cabling anywhere within the existing network environment without the need to remove, replace or modify existing copper-based RS-422/485 infrastructure. RUS-125MCT 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.

Dimensions



Hardware Specifications

Serial Interface

Serial Port	1 x serial RS-422/485 (Terminal block)
Fiber Port	1 100Base-FX multi-mode port (SC connector)
LED	PWR: Illuminated green for normal operation LNK: Illuminated green when fiber is properly connected RCV: Illuminated amber for receiving packets from RS-422/485 Device
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 2 km (Multi-mode)
Data rates	Serial: max. 115.2 kbps (asynchronous)
Maximum Distance	DIP1: N/A DIP2: N/A DIP3: Enable / disable 2-wire/4-wire mode DIP4: Enable / disable terminator

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-125MCT	Multi-mode 62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km

Ordering Information

RUS-125MCT

RS-422/485 to Fiber converter, Multi-mode SC connector, Terminal block

