

**RUS-125MTT 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, ST 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**

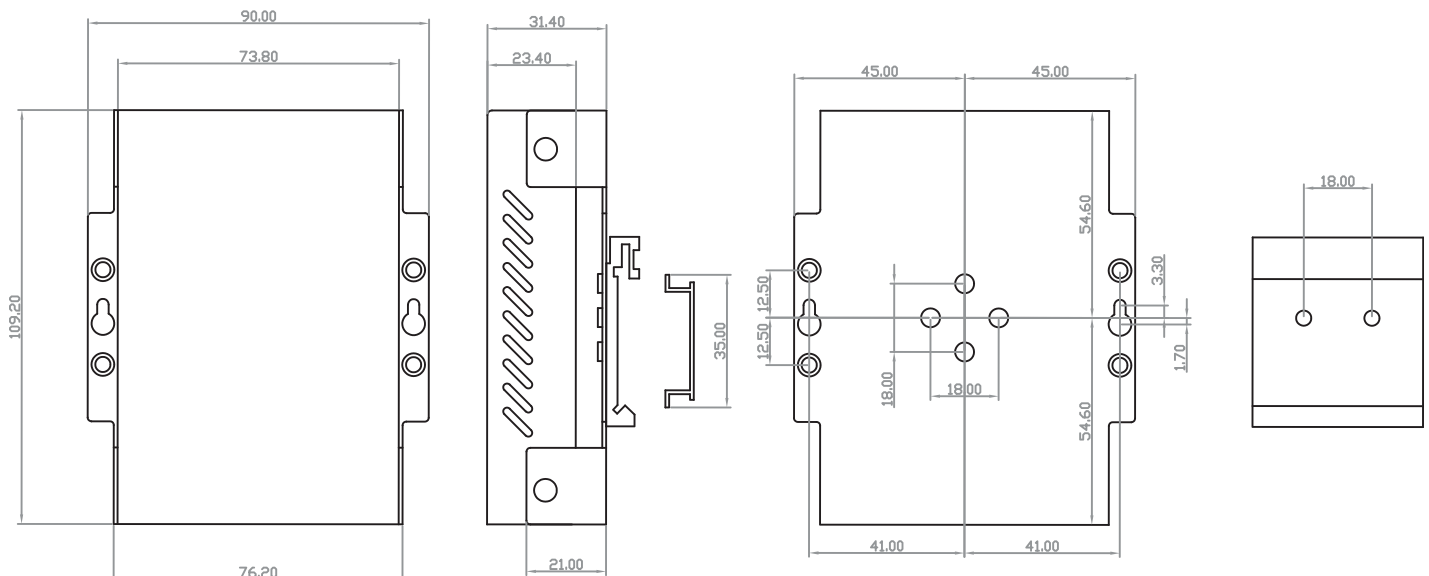
- ✓ Wide power Input from 9~32 VDC
- ✓ Supports ESD, EFT and Surge protection
- ✓ External power adapter available different power plug standards



**Overview**

The Retriever RUS-125MTT is a RS-422/485 to fiber converter with ST connector and Terminal block interface. RUS-125MTT 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-125MTT 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

<b>Serial Port</b>	1 x serial RS-422/485 (Terminal block)
<b>Fiber Port</b>	1 100Base-FX multi-mode port (ST connector)
<b>LED</b>	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
<b>Power Input</b>	VDC 9~32V
<b>Power Protection</b>	ESD, EFT, Surge: Present
<b>Power Consumption</b>	2.24 watts
<b>Weight</b>	280 grams
<b>Dimension</b>	90 mm (W) x 31.5 mm (H) x 109.2 mm (D)

#### Environmental

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

### Technology Specifications

<b>Standard</b>	EIA/TIA-422, EIA/TIA- 485
<b>Maximum Distance</b>	Fiber distance up to 2 km (Multi-mode)
<b>Data rates</b>	Serial: max. 115.2 kbps (asynchronous)
<b>Maximum Distance</b>	DIP1: N/A DIP2: N/A DIP3: Enable / disable 2-wire/4-wire mode DIP4: Enable / disable terminator

#### Regulatory Approvals

<b>EMI</b>	FCC Class A
<b>EMS</b>	EN6100-4-2, EN6100-4-3, EN-6100-4-4, EN6100-4-5, EN6100-4-6, EN61000-4-11
<b>Safety</b>	CE/EN60950
<b>Shock</b>	IEC60068-2-27
<b>Vibration</b>	IEC60068-2-6
<b>Free Fall</b>	IEC60068-2-32
<b>Environmental</b>	WEEE, RoHS
<b>MTBF</b>	300,000 hrs based on Mil-Hdbk-217F, GB
<b>Warranty</b>	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-125MTT	Multi-mode 62.5/125	ST	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km

**Ordering Information**

**RUS-125MTT**

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