



## Hardware Specifications

### Serial Interface

<b>Serial Port</b>	1 x serial RS-232 (DB9 male)
<b>Fiber Port</b>	1 100Base-FX multi-mode port (SC connector)
<b>LED</b>	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
<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)

### 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-115MCD	Multi-mode 62.5/125	ST	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km

### Ordering Information

#### RUS-115MCD

RS-232 to Fiber converter, Multi-mode SC connector, DB9 male