



## RS-C230:

RS-485/422/232 to Fiber Converter

### Key Features

- DB-9 or Terminal block option
- Speeds up to 115.2Kbps base for RS-232, 500Kbps for RS-422/485
- Extend transmission distance up to 20Km
- Parity check bit select: None, Even, Odd
- RoHS Compliance

### Overview

The RS-C230SC/ST fiber optic converter is RS-485/422/232 to Fiber Optic media converter, it is used to extend distance up to 2Km over multi-mode fiber or up to 20Km over single-mode fiber transceiver. The converter is equipped with multiple interface circuit such as RS-232, RS-422, RS-485(2 or 4-wire). It secures data transmission at speeds up to 115.2Kbps for RS-232, or up to 500Kbps for RS-422/485.

### Technical Specifications

- **Standard Compliance**  
TIA/EIA-232 (ITU-T V.28)  
TIA/EIA-422 (ITU-T V.11)  
TIA/EIA-485 (ISO/IEC8284)
- **Data Transfer Rate**  
Up to 115.2Kbps (RS-232)  
Up to 500Kbps (RS-485/422)
- **Fiber Cable**  
Fiber (M-M): 50/125, 62.5/125, 100/140µm  
Fiber (S-M): 8.3/125, 8.7/125, 9/125, 10/125µm
- **LED Description**

LED	Color	Function
PWR	Green	-Lit when +5V power is coming up and self-test of copper is ok
	Red	-Lit when +5V power is coming up but self-test of copper fails
FX (LNK/ACT)	Green	-Lit when fiber connection is good -Blinks when fiber data is present
DATA (Copper)	Green	-Lit when Copper data is present

- **Diagnostic LED**

System LED	Power
Fiber Port	LNK/ACT: Port Link and Activity status
TP Port	LNK/ACT: Port Link and Activity status

- **Network Interface**

Connector	Rate (bps)	Up to Distance	Port
RS-232 (Terminal Block/DB9)	115.2K	15m (50ft)	1
RS-422/485 (Terminal Block/DB9)	90K	1220m (4000ft)	1
	500K	92m (300ft)	
SC/ST Fiber (Full/Half Duplex)	10M	2Km (M-M)	1
	10M	20Km (S-M)	

**• Hardware Spec**

Feature	Detailed Description
<b>Voltage</b>	100~240 VAC
<b>Frequency</b>	50~60 Hz
<b>Consumption</b>	3.5W
<b>Ambient Temperature</b>	0 to 50 °C
<b>Humidity</b>	5% to 90%
<b>Dimensions</b>	26.2(H) x 70.3(W) x 94(D) mm
<b>Weight</b>	0.2kg
<b>Safety</b>	Complies with FCC Part 15 Class A and CE Mark

**Packing Information**
**RS-C230SC-1/RS-C230SC-2/RS-C230SC-3/RS-C230SC-4**

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	40	24	25

**Ordering Information**
**RS-C230SC-1:** DB9 RS-485/422/232 to SC M-M Converter

**RS-C230SC-2:** T-B RS-485/422/232 to SC M-M Converter

**RS-C230ST-1:** DB9 RS-485/422/232 to ST M-M Converter

**RS-C230ST-2:** T-B RS-485/422/232 to ST M-M Converter

**RS-C230SC-3:** DB9 RS-485/422/232 to SC S-M, 20km Converter

**RS-C230SC-4:** T-B RS-485/422/232 to SC S-M, 20km Converter

**RS-C230ST-3:** DB9 RS-485/422/232 to ST S-M, 20km Converter

**RS-C230ST-4:** T-B RS-485/422/232 to ST S-M, 20km Converter

Any other distance, such as 40km(1310nm), 60km(1310nm), 100km(1550nm), 120km(1550nm), etc. is available upon request.