



**IRS-C250:** RS-232/422/485 to Fiber Converter

**Key Features**

- DB-9 or Terminal block option
- Speed up to 115.2Kbps base for RS-232, 500Kbps for RS-422/485
- Extend transmission distance up to 20Km
- Support operating temperature from 0 to 60°C
- RoHS Compliance

**Overview**

IRS-C250 fiber optic converter is a RS-485/422/232 to Fiber Optic media converter. IRS-C250 can be installed in CR-1112 converter chassis. 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 115.2 Kbps 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
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

• **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)	1
SC/ST Fiber (Full/Half Duplex)	10M	2Km (M-M)	1
	10M	20Km (S-M)	

- **Voltage:** VDC 5V in (100~240VAC Adapter Option)
- **Frequency:** 50~60 Hz
- **Consumption:** 3.5W
- **Ambient Temperature:** 0 to 60°C
- **Humidity:** 5% to 90%
- **Dimensions:** 26.2(H) x 70.3(W) x 94(D) mm
- **Weight:** 0.2kg
- **Safety:** Complies with FCC Part 15 Class A and CE Mark

**Packing Information**

Model	Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
IRS-C250SC-1	530x512x345	40	24	25
IRS-C250SC-2	530x512x345	40	24	25
IRS-C250SC-3	530x512x345	40	24	25
IRS-C250SC-4	530x512x345	40	24	25

**Ordering Information**

<b>IRS-C250SC-1</b>	DB9 RS-485/422/232 to SC M-M Converter
<b>IRS-C250SC-2</b>	T-B RS-485/422/232 to SC M-M Converter
<b>IRS-C250ST-1</b>	DB9 RS-485/422/232 to ST M-M Converter
<b>IRS-C250ST-2</b>	T-B RS-485/422/232 to ST M-M Converter
<b>IRS-C250SC-3</b>	DB9 RS-485/422/232 to SC S-M, 20km Converter
<b>IRS-C250SC-4</b>	T-B RS-485/422/232 to SC S-M, 20km Converter
<b>IRS-C250ST-3</b>	DB9 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.