

IS-SC202 Series

Industrial RS-232/422/485 to fiber media converter



The IS-SC202 series are used to extend serial transmission up to 2 km (IS-SC202-M with multi-mode fiber) or up to 40 km (IS-SC202-S with single-mode fiber). The IS-SC202 series can be configured to convert either RS-232 signals, or RS-422/485 signals to fiber port, but not both at the same time. When an IS-SC202 converter receives data from fiber port, it will send the data through 2 serial ports. The IS-SC202 series have a DIP switch is used to setup 2-wire/4-wire operation mode and enable internal termination for RS-422/485 port, and to configure RS-232 port to operate in either DTE or DCE mode.



Key features

- ▶ Support full-duplex transmission for RS-232/RS-422/RS-485
- ▶ Auto switching baud rate up to 921.6 kbps
- ▶ Wide range power input, 12V-55VDC
- ▶ Dual DC input, terminal block and DC Jack socket
- ▶ -20°C to 75°C operating temperature
- ▶ Rugged design

Specification

Model	IS-SC202-M-SC/ST	IS-SC202-S-SC
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Fiber Port

Port number	1	
Optical connector	SC/ST	SC
Mode	Multi-mode (50/125, 62.5/125um)	Single mode (9/125um)
Transmission distance	2 km	40 km
Wavelength	1310 nm	1310 nm
Point to point transmission	Full-Duplex	

Serial Port

Connector	DB9(male) x 1, terminal block x 1	
Operation mode	RS-232 / RS-422 / 2(4) wire RS-485 *RS-422&485 can be set up by DIP switch	
Baud rate	RS-232	Auto detection (1M), Max baud rate 921.6 kbps
	RS-422	
	RS-485 (4-wire& 2-wire)	

Power

Power Input	Dual DC Power Input, DC jack and Terminal Block
Input Voltage Range	12~55VDC
Overload current protection	YES
Power Consumption	1.8 Watt

LED indicator

Power indicator	Yes	Yes
Serial RS-232	Yes	Yes
Serial RS-422/485	Yes	Yes

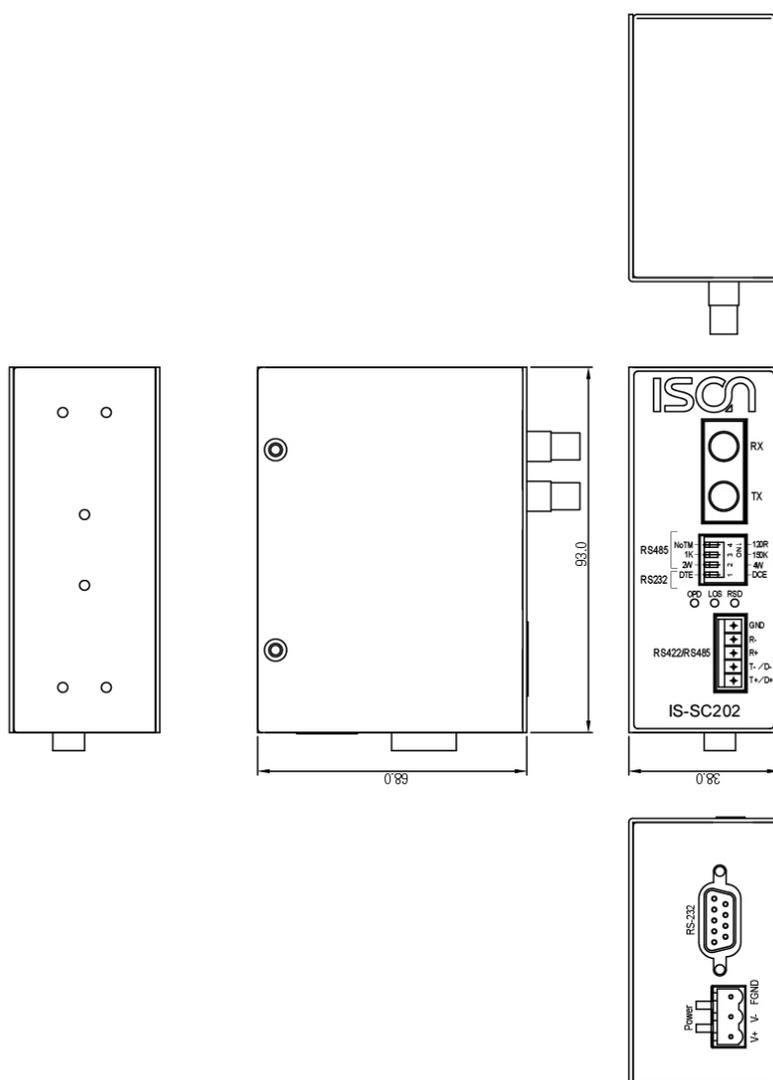
Environmental and Compliances

Operating Temperature	-20~75°C (Cold startup at -20°C)
Storage Temperature	-20~85°C
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>25 years

Mechanical

Protection	IP30
Dimension	93x25x65mm (LxWxD)
Weight	200g
Installation	DIN-Rail mounting; Wall mounting
DIP	Set up 2-wire/4-wire operation mode, Enable internal termination for RS-422/485 port, Configure RS-232 port to operate in either DTE or DCE mode

Dimension Diagram



Ordering Information

Available Models	Description	10/100/1000Mb TX		100Mb FX
		DB9	Terminal	
IS-SC202-M-SC	Industrial Serial to Fiber media converter MM SC connector, -20 to 75°C operating temperature, 2 km	1	1	1
IS-SC202-M-ST	Industrial Serial to Fiber media converter MM ST connector, -20 to 75°C operating temperature, 2 km	1	1	1
IS-SC202-S-SC	Industrial Serial to Fiber media converter SM SC connector, -20 to 75°C operating temperature, 40 km	1	1	1

Accessories

1. IS-RK2U 19" rack mount kit
2. IS-RK4U 19" rack mount kit
3. IS-PS20-12 Power adaptor

Package Checklist

- IS-SC202 Media converter
- Quick Installation Guide (Printed)
- Wall Mount Kit /Din-Rail kit