ISC-1112 / ISC-1112-I

ISC-1112

Industrial RS-232 to RS-422/485 Serial Media Converter

- Support multiple baud rate and multiple data format
- Support highest power output
- Auto Hardware Direction Control for RS-485
- Auto switching baud rate from 300 ~ 115200 bps
- Power requirements from +9 ~ 30 VDC
- ABS with captive mounting hardware design
- DIN-Rail and wall mounting enabled



Isolation -10~70°C Temperature

RoHS Lead Free CE FC

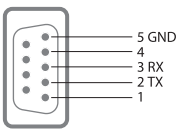
Introduction

ISC-1112 series are industrial media converters provide media conversion between RS-232 and RS-422/485 interface. ISC-1112 series are ABS housing design and supporting an operating temperature of -10 to 70°C. The RS-485 control is completely transparent to the user and software written for half-duplex operation without any modification. ISC-1112-I opto-isolators provide 3000VDC of isolation to protect the host computer from destructive voltage spikes. Therefore, the ISC-1112 series is reliable serial media converter and can satisfy most demand of operating environment.



Connections of Serial Media Converter

Pin Assignment

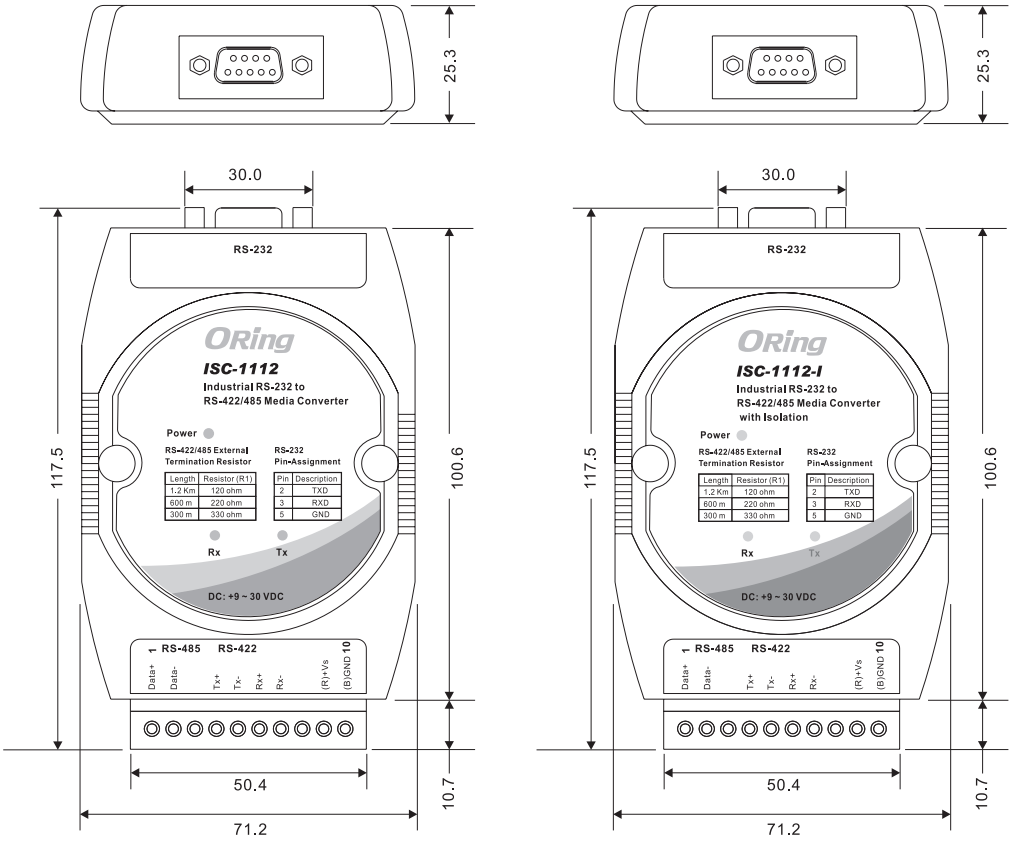


RS-232 in DB9 Female

RS-422/485 Terminal Block Pin Assignment										
Interface	RS-485		Reserved	RS-422				Reserved	Power Input	
Pin No.	1	2	3	4	5	6	7	8	9	10
Info	Data+	Data-	N.C.	TX+	TX-	RX+	RX-	N.C.	V+	GND

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Dimensions



(Unit=mm)

Specifications

ORing Media Converter Model	ISC-1112-I	ISC-1112
Physical Ports		
RS-232 Connector	DB9 (Female)	
RS-422/485 Connector	10-pin terminal block	
RS-232 Signals	TX, RX, GND	
RS-422/485 Signals	RS-422 : TX+, TX-, RX+, RX- RS-485 : Data+, Data-	
Baud Rate	300 to 115.2Kbps	
Data bit	5, 6, 7, 8	
Stop bit	1, 1.5, 2	
Parity	None, Even, Odd, Space, Mark	
Flow Control	XON/XOFF (software) Auto Hardware Direction Control for RS-485	
Serial Isolation	3000VDC	-
LED Indicators		
Power Indicator	Green : Power LED x 1	
TxD Indicator	Green LED x 1	

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RxD Indicator	Red LED x 1	
Power		
Input Power	+9 ~ 30 VDC power inputs on 10-pin terminal block	
Power Consumption (Typ.)	2.2 Watts	
Physical Characteristics		
Enclosure	IP-30	
Dimensions (W x D x H)	71.2(W) x 25.3(D) x 100.6(H) mm (2.8x1x3.96 inch.)	
Weight (g)	130g	133g
Environmental		
Storage Temperature	-25 to 85°C (-13 to 185°F)	
Operating Temperature	-10 to 70°C (14 to 158°F)	
Operating Humidity	5% to 95% Non-condensing	
Regulatory Approvals		
EMI	FCC Part 15, CISPR (EN55022) class A	
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11	
Shock	IEC60068-2-27	
Free Fall	IEC60068-2-32	
Vibration	IEC60068-2-6	
Warranty	2 years	

Ordering Information

ISC-ABCDE-F

Code Definition	Serial port Number	Port Type	Converter Prot Number	Converter Type	Other Type	Additional Function
Option	- **1 :** 1port	- **1 :** RS-232 - **2 :** RS-422/485 - **3 :** RS-232/422/485	- **1 :** 1port	- **0 :** other type - **1 :** RS-232 - **2 :** RS-422/485 - **3 :** RS-232/422/485	- **F :** 100Base-FX Fiber - **U :** USB	- **I :** Isolation

	Model Name	Description
Available Model	ISC-1112-I	Industrial 1-port RS-232 to 1-port RS-422/485 serial media converter with 3KV isolation
	ISC-1112	Industrial 1-port RS-232 to 1-port RS-422/485 serial media converter

Packing List

- ISC-1112/112-I
- DIN-Rail Kit
- Wall-Mount Kit
- Quick Installation Guide

Optional Accessories (Can be purchased separately)

- DR-45 series, 45W DIN-Rail power supply
- DR-75-12, 12V/75W DIN-Rail power supply
- DR-75-24, 24V/75W DIN-Rail power supply
- FPC series : Fiber Patch cord

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