

ISC-1112-I / ISC-1112

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

- Support multiple baud rate and multiple data format
- Support auto switch baud rate
- Support highest power output
- Provide 3000VDC isolation Protection



> Features

- Auto switching baudrate from 300 ~ 115200 bps
- Wide operating temperature range from -10 °C to 70°C
- Provide 3000V Isolation protection by -I model
- Power requirements from +9 ~ 30 VDC
- ABS with captive mounting hardware design
- Mounts easily on DIN-Rail or panel

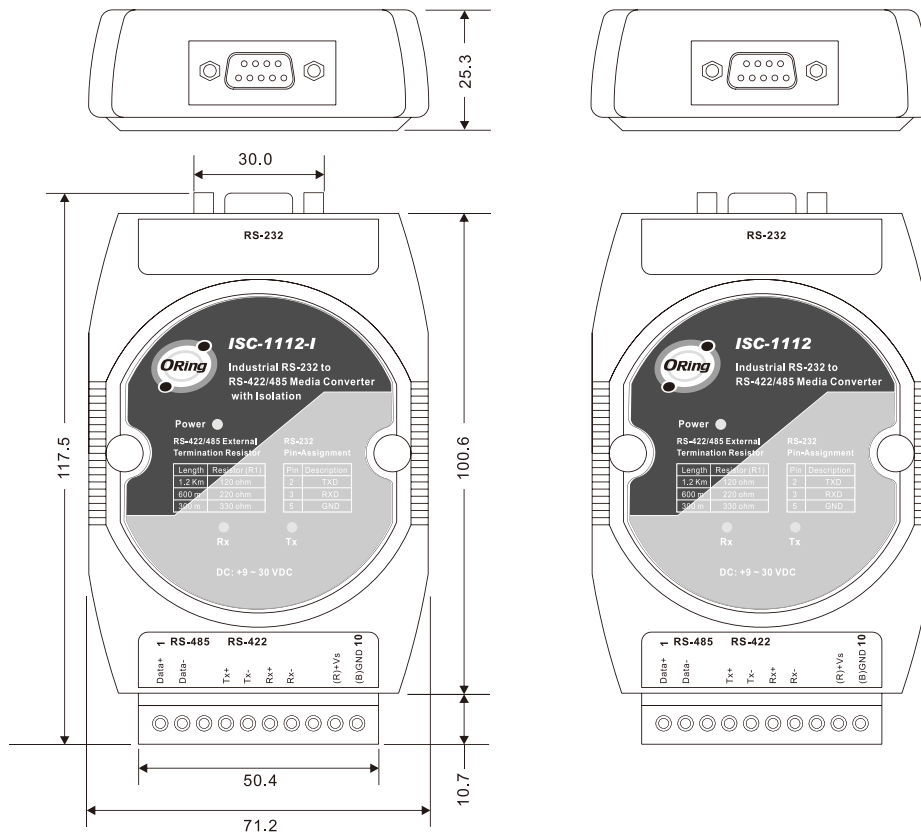
> Introduction

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 COM works without any modification. ISC-1112-I Opto-isolators provide 3000VDC of isolation to protect the host computer from ground loops and destructive voltage spikes. Therefore, the ISC-1112 series is reliable media converter and can satisfy most demand of operating environment.



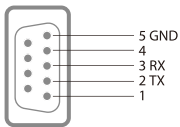
Connections of Media Converter

> Dimension



(Unit=mm)

> Pin Assignment



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

> 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-, GND	
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
LED Indicators	
Power Indicator	Green : Power LED x 1
TxD Indicator	Green LED x 1
RxD Indicator	Red LED x 1
Power	
Input Power	+9 ~ 30 VDC power inputs in 10-pin terminal block
Power Consumption (Typ.)	2.2 Watts
Physical Characteristic	
Enclosure	ABS
Dimension (W x D x H)	71.2(W) x 25.3(D) x 100.6(H) mm (2.8x1x3.96 inch.)
Weight (g)	130g
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-**A****B****C****D****E**-**F**

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

	Model Name	Description	Operating Temperature
Available Model	ISC-1112-I	Industrial RS-232 to RS-422/485 media converter with Isolation	-10 to 70°C
	ISC-1112	Industrial RS-232 to RS-422/485 media converter	