ICP DAS

4.4. RS-232/RS-422/485 Converters



PCISA-7520R/PCISA-7520AR

PCISA-7520R: Isolated RS-232 to RS-485 Converter Card PCISA-7520AR: Isolated RS-232 to RS-422/485 Converter Card

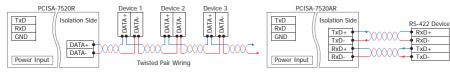




Introduction.

The PCISA-7520A series is exactly the same as I-7520A series except for the PCI and ISA Interface and is designed for easy installation. The PCISA-7520A series is equipped with both an RS-232 serial port and an RS-485 serial port. The RS-232 port is designed to communicate with the local Host PC, the RS-485 is designed to communicate with the remote IO module.

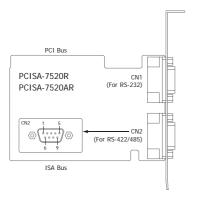
Applications



Specifications

Models		PCISA-7520R	PCISA-7520AR	
Interface				
Serial Interface	RS-232	TxD, RxD, GND		
	RS-422		TxD+, TxD-, RxD+, RxD- The RS-422 and RS-485 cannot be used simultaneously	
	RS-485	Data+, Data-		
2-wire Cabling/4-wire Cabling		Belden 8941 (2P twisted-pair cable)/Belden 8942 (4P twisted-pair cable), when different cables are used,		
		the transmission distance may change		
Transfer Distance		Max. 1,200 m at 9.6 kbps; Max. 400 m at 115.2 kbps		
Max. Devices Supported		256 (Without repeater)		
Self-Tuner Asic Inside		Yes		
Speed		300 ~ 115200 bps		
ESD Protection		Yes		
Isolated Voltage		3000 V _{DC} on the RS-232 side		
Connection	RS-232	9-Pin Female D-Sub x 1		
	RS-422/485	9-Pin Male D-Sub x 1		
Power				
Input Voltage Range		+5 Vpc from the PC		
Power Consumption		1.0 W		
Mechanical				
Dimensions (L x W x D)		118 mm x 72 mm x 22 mm		
Environment				
Operating Temperature		0 °C ~ +50 °C		
Storage Temperature		-20 °C ~ +70 °C		
Humidity		0 - 90% PH pop-condensing		

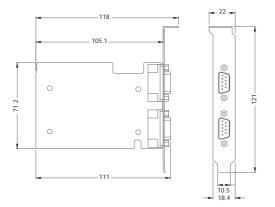
Pin Assignments _____



PCISA-7	520R	
Pin	2-wire for RS-485	
01	DATA	
02	DATA+	
03		
04	NC	
05		
06	DATA-	
07	DATA-	
08	NC	
09	IVC	

PCISA-75	20AR	
Pin	2-wire for RS-485	4-wire for RS-422
01	DATA+ T	Tx+
02		
03	NC	
04	NC	Rx+
05	NC	KX+
06	DATA-	Тх-
07		
08	NC	Rx-
09	NO	IVA-

■ Dimensions (Unit: mm) _____



Ordering Information

PCISA-7520R CR		Isolated RS-232 to RS-485 Converter Card (RoHS)	
PCISA-7520	AR CR	Isolated RS-232 to RS-422/485 Converter Card (RoHS)	

Accessories __

I-7510 CR	Isolated RS-485 Repeater (RoHS)	
I-7510A CR	Isolated RS-422/485 Repeater (RoHS)	
CA-0915	9-Pin Male-Female D-Sub Cable, 1.5 m	