

VXC-148U **PCIe-S148**

Serial Communication Card with 8 RS-422/485 ports

Features

- Supports 3.3 V/5 V PCI bus for VXC-148U
- Supports PCI Express x1 for PCIe-S148
- Provides 8 RS-422/485 ports
- 256-byte Hardware FIFO for Each Port
- Automatically select an available COM port number
- Supports COM port number selection under software control
- Short Card Design

Introduction

The VXC-148U/PCIe-S148 card provides 8 RS-422/485 serial ports. It is equipped with a 256-byte hardware FIFO for each port, supports for speed up to 115200/921600 bps and supports full-duplex communication. The PCIe-S148 card support drivers choose an available COM port number automatically.

The serial communication card are designed for use with intelligent devices like bar code reader, serial printers, intelligent sensors, instrumentation equipment, computers and almost any device with an RS-422/485 port.

Software

Drivers

- ☑ 32-bit Windows XP/2003/2008/7/8/10
- ☑ 64-bit Windows XP/2003/2008/7/8/10

Applications

- Industrial Machinery
- Building Automation
- Restaurant Appliances
- Laboratory Equipment & Research
- Industrial Communication

Hardware Specifications

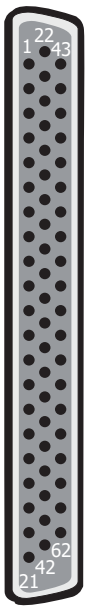
Models	VXC-118U	PCIe-S118
Hardware		
Connector	Female DB-62	
COM Ports		
Ports	8 x RS-422/485 (RS-422: TxD+, TxD-, RxD+, RxD-, GND / RS-485: Data+, Data-, GND)	
Baud Rate	50 ~ 115200 bps	2400 ~ 921600 bps
Parity	None, Even, Odd, Mark, Space	
Data Bit	5, 6, 7, 8	
Stop Bit	1, 1.5, 2	
FIFO Size	Internal 256 bytes	
Power		
Consumption	120 mA @ 5 V	
Mechanical		
Dimensions (mm)	85.4 x 119.9 x 22 (W x L x D)	93.1 x 115.7 x 22 (W x L x D)
Environment		
Operating Temperature	0 ~ +60°C	
Storage Temperature	-20 ~ +70°C	
Humidity	5 ~ 85% RH, Non-condensing	

Ordering Information

VXC-148U CR	Universal PCI, Serial Communication Board with 8 RS-422/485 ports (RoHS) Includes one CA-PC62M D-Sub connector
VXC-148U/D2 CR	Universal PCI, Serial Communication Board with 8 RS-422/485 ports (RoHS) Includes one CA-9-6210 cable
PCIe-S148 CR	PCI Express, Serial Communication Board with 8 RS-422/485 ports (RoHS) Includes one CA-PC62M D-Sub connector
PCIe-S148/D2 CR	PCI Express, Serial Communication Board with 8 RS-422/485 ports (RoHS) Includes one CA-9-6210 cable

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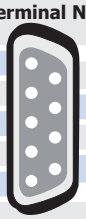
Pin Assignments



Terminal No.	Pin Assignment	Terminal No.	Pin Assignment	Terminal No.	Pin Assignment
01	RxD0+	22	TxD0+Data0+	43	-
02	RxD0-	23	-	44	-
03	TxD1+/Data1+	24	TxD0-/Data0-	45	GND
04	-	25	RxD1+	46	-
05	TxD1-/Data1-	26	RxD1-	47	-
06	RxD2+	27	TxD2+/Data2+	48	-
07	RxD2-	28	-	49	-
08	TxD3+/Data3+	29	TxD2-/Data2-	50	GND
09	-	30	RxD3+	51	-
10	TxD3-/Data3-	31	RxD3-	52	-
11	TxD4+/Data4+	32	GND	53	-
12	-	33	RxD4+	54	-
13	TxD4-/Data4-	34	RxD4-	55	GND
14	RxD5+	35	TxD5+/Data5+	56	-
15	RxD5-	36	-	57	-
16	TxD6+Data6+	37	TxD5-/Data5-	58	GND
17	-	38	RxD6+	59	-
18	TxD6-/Data6-	39	RxD6-	60	-
19	TxD7+/Data7+	40	GND	61	-
20	-	41	RxD7+	62	-
21	TxD7-/Data7-	42	RxD7-		

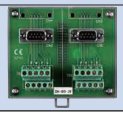
CON1

Pin Assignment	Terminal No.		Pin Assignment
GND	05	09	-
RxD-	04	08	-
RxD+	03	07	-
TxD+/Data+	02	06	-
TxD-/Data-	01		



RS-422/485 Female DB-62 to Male DB-9 Connector

Accessories

 CA-PC62M CR	62-Pin Male D-Sub Connector with Plastic Cover
 CA-9-6210 CR	DB-62 Male (D-Sub) to 8 Port DB-9 Male (D-sub)Cable, 1.0 M (180°)
 CA-PC09F CR	9-Pin Female D-Sub Connector with Plastic Cover
 DN-09-2F CR	I/O Connector Block with DIN-Rail Mounting and two 9-pin Male Header. Indudes two CA-0910F Cables

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