



VXC-148U PCIe-S148

Serial Communication Card with 8 RS-422/485 ports

Hardware Specifications

Models	VXC-148U	PCIe-S148
Communication Port		
COM1 ~ COM8	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously
	RS-422	TxD+, TxD-, RxD+, RxD-, GND
	RS-485	Data+, Data-, GND
UART	16C950 compatible	
Baud Rate	50 - 115200 bps	2400 - 921600 bps
Data Bit	5, 6, 7, 8	
Stop Bit	1, 1.5, 2	
Parity	None, Even, Odd, Mark, Space	
FIFO	Internal 256 bytes	
General		
Bus Type	3.3 V/ 5 V Universal PCI, 32-bit, 33 MHz	PCI Express x1
COM-Selector	No	
Connector	Female DB-62	
Power Consumption	120 mA @ 5 V	
Operating Temperature	0 ~ 60°C	
Storage Temperature	-20 ~ 70°C	
Humidity	5 ~ 85% RH, non-condensing	
Dimensions (W x L x D) (Unit: mm)	85.4 x 119.9 x 22	93.1 x 115.7 x 22

Ordering Information

VXC-148U CR	Universal PCI, Serial Communication card with 8 RS-422/485 ports (RoHS) Includes one CA-PC62M D-Sub connector.
VXC-148U/D2 CR	Universal PCI, Serial Communication card with 8 RS-422/485 ports (RoHS) Includes one CA-9-6210 cable.
PCIe-S148 CR	PCI Express, Serial Communication Card with 8 RS-422/485 ports. (RoHS) Includes one CA-PC62M D-Sub connector.
PCIe-S148U/D2 CR	PCI Express, Serial Communication Card with 8 RS-422/485 ports. (RoHS) Includes one CA-9-6210 cable.

Accessories

CA-PC62M		62-Pin Male D-Sub Connector with Plastic Cover
CA-9-6210		DB-62 Male (D-Sub) to 8 Port DB-9 Male (D-sub) Cable, 1.0 M (180°)

Features

- Supports 3.3 V/5 V PCI Bus for VXC-148U
- 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
- RoHS compliant & no Halogen



Software

Drivers

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

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

CA-PC09F		9-Pin Female D-Sub Connector with Plastic Cover
DN-09-2F		I/O Connector Block with DIN-Rail Mounting and two 9-pin Male Header. Includes two CA-0910F Cables