

Multi-port Serial Cards

2.2. VXC Series Communication Boards



VXC-112AU/VXC-112iAU

Serial Communication Board with 2 RS-232 ports

Introduction___

The VXC-112 series communication card provides 2 RS-232 serial ports. Each port equips a 128-byte hardware FIFO, offers speed up to 115200 bps and can work for half-duplex or full-duplex communication.

Users can select a specified COM port number manually by setting COM-Selector (DIP switch), or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software buffer for each COM port under Windows. It's practical for large file transmission.

In harsh industrial environments, the on board ESD protection component diverts the potentially damaging charge away from sensitive circuit and protects the computer and equipment from being damaged by high potential voltage

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-232 port.

16C950 compatible

None, Even, Odd, Mark, Space

50 ~ 115200 bps

Internal 128 bytes

Yes (8-bit DIP switch) 2 x DB-9 (Male)

100 mA @ 5 V 0 °C ~ +50 °C

-20 °C ~ +70 °C

0 ~ 90% RH, non-condensing

134 mm x 90 mm x 22 mm

5, 6, 7, 8

1 1 5 2

RS-232 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND)

Universal PCI, 3.3 V/5 V, 33 MHz, 32-bit, Plug and Play mechanism

Hardware Specifications.

Features

- Built-in COM-Selector
- Short Card Design
- Provides 2 RS-232 ports
- +/-4 kV ESD Protection for VXC-112iAU
- Supports 3.3 V/5 V PCI bus
- 128-byte Hardware FIFO for Each Port
- 128 KB Software Buffer (max.) for Each Port Under Windows
- 2500 Vms Isolation for VXC-112iAU



Applications.

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

VXC-112iAU

2500 Vrm

Industrial Communication

Software

- DOS Lib
- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

Models

LIART

Baud Rate

Data Bit

Stop Bit

Parity

FIFO

General Bus Type

Isolated

COM-Selector

Operating Temperature

Dimensions (L x W x D)

Storage Temperature Humidity

Connector Power Consumption

Communication Port COM1, COM2

Viring

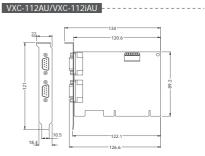
DTE Device (Computer)	DB-9	DTE to DCE Connections	DCE Device (Modem) DE	3-9
Pin# DB-9 RS-232 Sign	al Names	Signal Direction	Pin# DB-9 RS-232 Signal I	Vames
#1 Carrier Detector	DCD	←	#1 Carrier Detector	DCD
#2 Receive Data	RxD	←	#2 Transmit Data	TxD
#3 Transmit Data	TxD	$\neg \longrightarrow$	#3 Receive Data	RxD
#4 Data Terminal Ready	DTR	$\neg \longrightarrow$	#4 Data Set Ready	DSR
#5 Signal Ground/Common (SG)	GND	$\neg \longleftrightarrow$	#5 Signal Ground/Common (SG)	GND
#6 Data Set Ready	DSR	←	#6 Data Terminal Ready	DTR
#7 Request to Send	RTS	$\neg \longrightarrow$	#7 Clear to Send	CTS
#8 Clear to Send	CTS	←	#8 Request to Send	RTS
#9 Ring Indicator	RI		#9 Ring Indicator	RI
Soldered to DB-9 Metal Shield	FGND]←────→	Soldered to DB-9 Metal Shield	FGND

3-wire RS-232 Wiring

RS-232 N	laster	RS-232 Devic		
TxD	-	► RxD		
RxD	••	• TxD		
GND	••	▶ GND		

Pin Assignment	Terminal	No.	Pin Assignment		
GND	05	09	RI		
DTR	04	08	CTS		
TxD	03	07	RTS		
RxD	02	06	DSR		
DCD	01	00	DSR		
Ŭ					
Male DB-9 Connector					

Pin Assignments _____ Dimensions (Unit: mm) _____



Ordering Information ______

VXC-112AU CR	Universal PCI Bus, Serial Communication Board with 2 RS-232 ports (RoHS)
VXC-112iAU CR	Universal PCI Bus, Serial Communication Board with 2 Isolated RS-232 ports (RoHS)

Accessories

CA-0910F	9-Pin Female-Female D-Sub Cable 1 m		
CA-0915	9-Pin Male-Female D-Sub Cable, 1.5 m		
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 CA-0910F x 2 (9-Pin Female-Female D-Sub Cable 1 m)			



NEW VXC-114U/VXC-114iAU Available VEX-114/VEX-114i

Serial Communication Board with 4 RS-232 ports

Introduction_

The VXC-114/VEX-114 series card provides 4 RS-232 serial ports. It equips a 128-byte hardware FIFO for each port, offers speed up to 115200 bps and supports full-duplex communication.

Users can select a specified COM port number manually by setting DIP switch, or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software FIFO for each COM port under Windows. It's practical for large file transmission.

In harsh industrial environments, the on board ESD protection component diverts the potentially damaging charge away from sensitive circuit and protects the computer and equipment from being damaged by high potential voltage.

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-232 port.

🗾 Features

- Built-in COM-Selector
- Short Card Design
- Provides 4 RS-232 ports
- +/-4 kV ESD Protection for i versions
- 128-byte Hardware FIFO for Each Port
- 128 KB Software Buffer (max.) for Each COM Port Under Windows
- Supports 3.3 V/5 V PCI bus for u versions
- Supports PCI Express x 1 for VEX series
- 2500 Vrms Isolation for i version

Applications.

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

Software_

- DOS Lib
- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

Hardware Specifications_

Models	VXC-114U	VXC-114iAU	VEX-114	VEX-114i		
Communication Port	110					
COM1 ~ COM4	RS-232 (TxD, RxD, RTS, CTS, I	RS-232 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND)				
UART	16C950 compatible					
Baud Rate	50 ~ 115200 bps					
Data Bit	5, 6, 7, 8					
Stop Bit	1, 1.5, 2	1, 1.5, 2				
Parity	None, Even, Odd, Mark, Space	None, Even, Odd, Mark, Space				
FIFO	Internal 128 bytes					
Isolated	-	2500 Vrms	-	2500 Vrms		
General	General					
Rus Tuno	Type Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, PCI Express x1, Plug and Play mechanism PCI Express x1, Plug and Play		DOI European ut. Diver and Disu			
bus type						
COM-Selector	Yes (8-bit DIP switch)					
Connector	DB-37 (Female)	DB-37 (Female)				
Power Consumption	120 mA @ 5 V					
Operating Temperature	0 °C ~ +50 °C					
Storage Temperature	-20 °C ~ +70 °C					
Humidity	0 ~ 90% RH, non-condensing					
Dimensions (L x W x D)	142 mm x 84 mm x 22 mm 133 mm x 93 mm x 22 mm 110 mm x 110 mm x 22 mm					

VXC Series Communication Boards

Wiring

DTE Device (Computer)	DB-9	DTE to DCE Connections	DCE Device (Modem) DE	B-9
Pin# DB-9 RS-232 Signa	I Names	Signal Direction	Pin# DB-9 RS-232 Signal N	Names
#1 Carrier Detector	DCD		#1 Carrier Detector	DCD
#2 Receive Data	RxD		#2 Transmit Data	TxD
#3 Transmit Data	TxD		#3 Receive Data	RxD
#4 Data Terminal Ready	DTR		#4 Data Set Ready	DSR
#5 Signal Ground/Common (SG)	GND	\leftarrow	#5 Signal Ground/Common (SG)	GND
#6 Data Set Ready	DSR		#6 Data Terminal Ready	DTR
#7 Request to Send	RTS	\longrightarrow	#7 Clear to Send	CTS
#8 Clear to Send	CTS		#8 Request to Send	RTS
#9 Ring Indicator	RI		#9 Ring Indicator	RI
Soldered to DB-9 Metal Shield	FGND	\leftarrow	Soldered to DB-9 Metal Shield	FGND

Pin Assignments

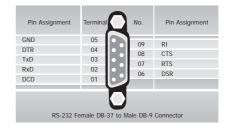
Pin Assignment	Terminal	No.	Pin Assignment			
N.C.	01	20	RI3			
DCD3	02	21	DTR3			
GND	03	22	DSR3			
CTS3	04	23	RTS3			
RxD3	05	24	TxD3			
RI4	06	25	DCD4			
DTR4	07	26	GND			
DSR4	08	20	CTS4			
RTS4	09	28	RxD4			
TxD4	10	20	RI2			
DCD2	11	30	DTR2			
GND	12	31	DSR2			
CTS2	13	32	RTS2			
RxD2	14	33	TxD2			
RI1	15	34	DCD1			
DTR1	16	34	GND			
DSR1	17	36	CTS1			
RTS1	18	37	RxD1			
TxD1	19	37	KADT			
RS-232 Female DB-37 Connector						

Ordering Information _____

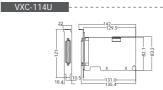
VXC-114U CR	Universal PCI, Serial Communication Board with 4 RS-232		
VAC-1140 CR	ports (RoHS). Includes One CA-4002 Connector		
VXC-114U/D2 CR	Universal PCI, Serial Communication Board with 4 RS-232		
VAC-1140/D2 CR	ports (RoHS). Includes One CA-9-3715D Cable		
VFX-114 CR	PCI Express, Serial Communication Board with 4 RS-232		
VEX-114 CK	ports (RoHS). Includes One CA-4002 Connector		
VFX-114/D2 CR	PCI Express, Serial Communication Board with 4 RS-232		
VEX-114/D2 CR	ports (RoHS). Includes One CA-9-3715D Cable		
VXC-114iAU CR	Universal PCI, Serial Communication Board with 4 Isolated		
VAC-TT4IAU CR	RS-232 ports (RoHS). Includes One CA-4002 Connector		
VXC-114iAU/D2 CR	Universal PCI, Serial Communication Board with 4 Isolated		
VAC-114IAU/DZ CR	RS-232 ports (RoHS). Includes One CA-9-3715D Cable		
VFX-114i CR	PCI Express, Serial Communication Board with 4 Isolated		
VEA-114LOK	RS-232 ports (RoHS). Includes One CA-4002 Connector		
VEX-114i/D2 CR	PCI Express, Serial Communication Board with 4 Isolated		
VEA-1140/D2 CR	RS-232 ports (RoHS). Includes One CA-9-3715D Cable		

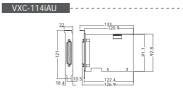
Accessories

CA-4002	37-Pin Male D-Sub Connector with Plastic Cover
CA-9-3715D	Male DB-37 to 4 Male DB-9 Cable, 1.5 m For VXC Series (180°)

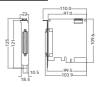


Dimensions (Unit: mm)





VEX-114/VEX-114i





2



VXC-142AU/VXC-142iAU

Serial Communication Board with 2 RS-422/485 ports

Introduction.

The VXC-142 series card provides two RS-422/RS-485 serial ports and supports 3.3 V/5 V PCI bus. The VXC-142/AU card also supports isolation voltage up to 2.5 KV. Each port can be configured as either RS-485 for half-duplex or RS-422 for full-duplex communication. It equips a 128-byte hardware FIFO for each port, offers speed up to 115200 bps and supports full-duplex communication.

Users can select a specified COM port number manually by setting dip switch, or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software FIFO for each COM port under Windows. It's practical for large file transmission.

In harsh industrial environments, the on board ESD protection component diverts the potentially damaging charge away from sensitive circuit and protects the computer and equipment from being damaged by high potential voltage.

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-232 port.

🗾 Features

- Built-in COM-Selector
- Short Card Design
- Provides 2 RS-422/485 ports
- +/-4 kV ESD Protection for i version
- 128-byte Hardware FIFO for Each Port
- Supports 3.3 V/5 V PCI bus, Plug and Play
- 2500 V_{rms} isolation for i version

Applications.

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

Software_

- DOS Lib
- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

Hardware Specifications.

Models		VXC-142AU	VXC-142iAU	
Communication Port				
	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously		
COM1, COM2	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND		
	RS-485	Data+, Data-, GND		
UART		16C950 compatible		
Baud Rate		50 ~ 115200 bps		
Data Bit		5, 6, 7, 8		
Stop Bit		1, 1.5, 2		
Parity		None, Even, Odd, Mark, Space		
FIFO		Internal 128 bytes		
Isolated		•	2500 Vrms	
General				
Bus Type		Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, Plug and Play		
COM-Selector		Yes (8-bit DIP switch)		
Connector		2 x Male DB-9		
Power Consumption		100 mA @ 5 V	480 mA @ 5 V	
Operating Temperature		0 °C ~ +50 °C		
Storage Temperati	ure	-20 °C ~ +70 °C		
Humidity		0 ~ 90% RH, non-condensing		
Dimensions (L x W	/ x D)	134 mm x 90 mm x 22 mm		

VXC Series Communication Boards

Pin Assignments _____

Pin Assignment	Terminal	No.	Pin Assignment
GND/VEE	05	09	CTS-(A)
RxD-(A)	04	08	CTS+(B)
RxD+(B)	03	07	RTS+(B)
TxD+(B)/Data+(B)	02	06	RTS-(A)
TxD-(A)/Data-(A)	01		K13"(A)
RS-	422/485 Male	e DB-9 Conne	ctor

Dimensions (Unit: mm)

VXC-142AU/VXC-142iAU



Wiring_ 2-wire RS-485 Wiring Device 1 Device 2 Device 3 DATA+(B) DATA+(B) DATA+(B) DATA-(A) DATA-(A) DATA-(A) GND GND GND RS-485 Master DATA+(B) DATA-(A) GND

2-wire Only Device

Twisted Pair Wiring plus Ground

4-wire RS-422 Wiring	
RS-422 Master	RS-422 Device
TxD+(B) TxD-(A) RxD+(B) RxD-(A) GND	RxD+(B) RxD-(A) TxD+(B) TxD-(A) GND

2

VXC Series Communication Boards

Ordering Information _____

VXC-142AU CR	Universal PCI Bus, Serial Communication Board with 2 RS-422/485 ports (RoHS)
VXC-142iAU CR	Universal PCI Bus, Serial Communication Board with 2 Isolated RS-422/485 ports (RoHS)

Accessories ____

CA-0910F	9-Pin Female-Female D-Sub Cable 1 m
CA-0915	9-Pin Male-Female D-Sub Cable, 1.5 m
CA-PC09F	9-Pin Female D-Sub Connector with Plastic Cover
I/O Connector Block with DIN-Rail Mounting and Two 9-Pin Male Header.	
DIV-09-2F	Includes CA-0910F x 2 (9-Pin Female-Female D-Sub Cable 1 m)

VXC-142 Series



NEW VXC-144U/VXC-144iU Available VEX-144/VEX-144i

Serial Communication Board with 4 RS-422/485 ports

Introduction_

The VXC-144U/VEX-144 card provides 4 non-isolated RS-422/RS-485 serial ports and the VXC-144U/VEX-1441 card provides 4 isolated RS-422/RS-485 serial ports which withstand isolation voltage up to 3 kV. Each port can be configured as either RS-485 for half-duplex or RS-422 for full-duplex communication. It equips a 128-byte hardware FIFO for each port, offers speed up to 115200 bps and long distance communication link.

Users can select a specified COM port number manually by setting DIP switch, or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software FIFO for each COM port under Windows. It's practical for large file transmission.

In harsh industrial environments, the on board ESD protection component diverts the potentially damaging charge away from sensitive circuit and protects the computer and equipment from being damaged by high potential voltage.

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-232 port.

Features Provides 4 Rs-422/485 ports 128-byte Hardware FIFO for Each Port Built-in COM-Selector

- +/-4 kV ESD Protection for i versions
- Short Card Design
- Up to 128 KB Software FIFO for Each COM Port Under Windows VXC-144U/VXC-144iU Only
- Supports 3.3 V/5 V PCI Bus, Plug and Play VEX-144/VEX-144i Only
- Supports PCI Express x 1, Plug and Play VXC-144i/VEX-144i Only
- 2500 Vrms Isolation



Applications.

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

Software_

Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
 Driver for Linux

Hardware Specifications

Models		VXC-144U	VXC-144iU	VEX-144	VEX-144i		
Communication Por	Communication Port						
RS-422/485		The RS-422 and RS-485 cannot be used simultaneously					
COM1 ~ COM4	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND					
	RS-485	Data+, Data-, GND					
UART		16C950 compatible					
Baud Rate		50 ~ 115200 bps					
Data Bit		5, 6, 7, 8					
Stop Bit		1, 1.5, 2					
Parity		None, Even, Odd, Mark, Space					
FIFO		Internal 128 bytes					
Isolated		-	2500 Vrms	-	2500 Vrms		
General							
Bus Type		Universal PCI, 3.3 V and 5 V	, 33 MHz, 32-bit,	PCI Express x1, Plug and Play			
Bus Type		Plug and Play mechanism					
COM-Selector		Yes (8-bit DIP switch)					
Connector		Female DB-37					
Power Consumption		120 mA @ 5 V	880 mA @ 5 V	120 mA @ 5 V	880 mA @ 5 V		
Operating Temperature		0 °C ~ +50 °C					
Storage Tempera	ture	-20 °C ~ +70 °C					
Humidity		0 ~ 90% RH, non-condensin	g				
Dimensions (L x)	N x D)	142 mm x 84 mm x 22 mm	142 mm x 84 mm x 22 mm 142 mm x 95 mm x 22 mm 114 mm x 101 mm x 22 mm				

Pin Assignments

Pin Assignment	Terminal	-	No.	Pin Assignment
N.C.	01		20	CTS3-(A)
TxD3-(A)/Data3-(A)	02		21	RxD3-(A)
GND/VEE3	03		22	RTS3-(A)
CTS3+(B)	04		23	RTS3+(B)
TxD3+(B)/Data3+(B)	05		23	RxD3+(B)
CTS4-(A)	06		24	TxD4-(A)/Data4-(A)
RxD4-(A)	07		25	GND/VFF4
RTS4-(A)	08		20	CTS4+(B)
RTS4+(B)	09		27	TxD4+(B)/Data+(B)
RxD4+(B)	10		20	CTS2-(A)
TxD2-(A)/Data2-(A)	11	•	30	RxD2-(A)
GND/VEE2	12	•	30	RTS2-(A)
CTS2+(B)	13	•		.,
TxD2+(B)/Data2+(B)	14	•	32	RTS2+(B)
CTS1-(A)	15	•	33	RxD2+(B)
RxD1-(A)	16	•	34	TxD1-(A)/Data1-(A)
RTS1-(A)	17	•	35	GND/VEE1
RTS1+(B)	18	•	36	CTS1+(B)
RxD1+(B)	19		37	TxD1+(B)/Data1+(B
.,	- 4	1		

Pin Assignment	Terminal	Q	No.	Pin Assignment		
GND/VEE	05		09	CTS-(A)		
RxD-(A)	04		08	CTS+(B)		
RxD+(B)	03					
TxD+(B)/Data+(B)	02	••	07	RTS+(B)		
TxD-(A)/Data-(A)	01		06	RTS-(A)		
()/ · · · · ()						
RS-422/485 Female DB-37 to Male DB-9 Connector						

Dimensions (Unit: mm) _

Wiring

Device 1

DATA-(A)

GND

DATA+(B)

Device 2

(DATA-(A)

Twisted Pair Wiring plus Ground

GND

DATA+(B)

Device 3

GND

DATA+(B) (DATA-(A)

RS-422 Device

RxD+(B)

RxD-(A)

TxD+(B)

TxD-(A)

GND

2-wire RS-485 Wiring

RS-485 Master DATA+(B) DATA-(A) GND 2-wire Only Device

4-wire RS-422 Wiring RS-422 Master

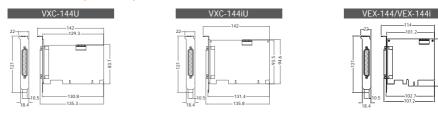
TxD+(B)

TxD-(A)

RxD+(B)

RxD-(A)

GND



Ordering Information_

	0
VXC-144U CR	Universal PCI, Serial Communication Board with 4 RS-422/485
	ports (RoHS). Includes One CA-4002 Connector
	Universal PCI, Serial Communication Board with 4 Isolated
VXC-144iU CR	RS-422/485 ports (RoHS)
	Includes One CA-4002 Connector
VFX-144 CR	PCI Express, Serial Communication Board with 4 RS-422/485
VEA-144 CR	ports (RoHS). Includes One CA-4002 Connector
	PCI Express, Serial Communication Board with 4 Isolated
VEX-144i CR	RS-422/485 ports (RoHS)
	Includes One CA-4002 Connector

Accessories -

CA-4002	37-Pin Male D-Sub Connector with Plastic Cover
04.0.07150	Male DB-37 to 4 Male DB-9 Cable, 1.5 m
CA-9-3715D	For VXC Series (180°)

-101 2-

102.7 107 2





VXC-182iU

Serial Communication Board with 1 Isolated RS-422/485 port and 1 RS-232 port

Introduction.

The VXC-182IU serial card provides two communication ports, one is RS-422/485 and the other is RS-232 port. RS-422/RS-485 serial ports can withstand isolation voltage up to 2.5 kV. It can be configured as either RS-485 for half-duplex or RS-422 for full-duplex communication, offers speed up to 15200 bps and long distance communication link.

Users can select a specified COM port number manually by setting DIP switch, or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software FIFO for each COM port under Windows. It's practical for large file transmission.

In harsh industrial environments, the on board ESD protection component diverts the potentially damaging charge away from sensitive circuit and protects the computer and equipment from being damaged by high potential voltage.

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-232 port. Features

- Built-in COM-Selector
- Short Card Design
- Provides 1 isolated RS-422/485 port and 1 RS-232 Port
- +/-4 kV ESD Protection
- Self-Tuner Inside
- 2500 Vrms Isolated RS-422/485 Port
- Up to 128 KB Software FIFO for Each COM Port Under Windows
- Supports 3.3 V/5 V PCI bus, Plug and Play
- 128-byte Hardware FIFO for Each Port



Applications.

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

🖪 Software 🗕

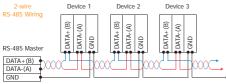
- DOS Lib
- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

Hardware Specifications.

Communication Port					
RS-422/485		The RS-422 and RS-485 cannot be used simultaneously			
COM1	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND (with 2.5 kV Isolation)			
	RS-485	Data+, Data-, GND (with 2.5 kV Isolation)			
COM2		RS-232 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND)			
UART		16C950 compatible			
Baud Rate		50 ~ 115200 bps			
Data Bit		5, 6, 7, 8			
Stop Bit		1, 1.5, 2			
Parity		None, Even, Odd, Mark, Space			
FIFO		Internal 128 bytes			
General					
Bus Type		Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, Plug and Play mechanism			
COM-Selector		Yes (8-bit DIP switch)			
Connector		2 x DB-9 (Male)			
Power Consumption		200 mA @ 5 V			
Operating Temperatur	re	0 °C ~ +50 °C			
Storage Temperature		-20 °C ~ +70 °C			
Humidity		0 ~ 90% RH, non-condensing			
Dimensions (L x W x D)		134 mm x 90 mm x 22 mm			

Viring

DTE Device (Computer)	DB-9	DTE to DCE Connections	DCE Device (Modem) DE	3-9
Pin# DB-9 RS-232 Signa	al Names	Signal Direction	Pin# DB-9 RS-232 Signal M	lames
#1 Carrier Detector	DCD		#1 Carrier Detector	DCD
#2 Receive Data	RxD		#2 Transmit Data	TxD
#3 Transmit Data	TxD	───→	#3 Receive Data	RxD
#4 Data Terminal Ready	DTR		#4 Data Set Ready	DSR
#5 Signal Ground/Common (SG)	GND	\rightarrow	#5 Signal Ground/Common (SG)	GND
#6 Data Set Ready	DSR	·	#6 Data Terminal Ready	DTR
#7 Request to Send	RTS		#7 Clear to Send	CTS
#8 Clear to Send	CTS	·	#8 Request to Send	RTS
#9 Ring Indicator	RI	·	#9 Ring Indicator	RI
Soldered to DB-9 Metal Shield	FGND	→	 Soldered to DB-9 Metal Shield 	FGND



4-wire RS-422 Wiring RS-422 Maste

TxD+(B)	RxD+(B) RxD-(A) TxD+(B) TxD-(A) GND

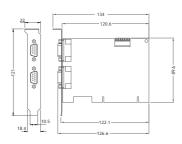
2-wire Only Device

Twisted Pair Wiring plus Ground

Pin Assignments _____

Pin Assignment	Terminal	Q	No.	Pin Assignment			
GND/VEE	05		09	CTS-(A)			
RxD-(A)	04		09	CTS+(B)			
RxD+(B)	03		07	RTS+(B)			
TxD+(B)/Data+(B)	02	• •					
TxD-(A)/Data-(A)	01	• •	06	RTS-(A)			
		O					
COM1: RS-422/485 Male DB-9 Connector							

Dimensions (Unit: mm)



Pin Assignment	Terminal	9	No.	Pin Assignment	
GND	05		09	RI	
DTR	04	• 1	08	CTS	
TxD	03	• .	07	RTS	
RxD	02	• •			
DCD	01	• •	06	DSR	
CON	12: RS-232	Male D	DB-9 Coni	nector	

Ordering Information _____

VXC-182iU CR	Universal PCI Bus, Serial Communication Board with 1	
	Isolated RS-422/485 port and 1 RS-232 port (RoHS)	

Accessories

CA-0910F	9-Pin Female-Female D-Sub Cable 1 m		
CA-0915	9-Pin Male-Female D-Sub Cable, 1.5 m		
CA-090910	9-Pin Female D-Sub Cable for RS-422 Connector, 1 m		
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 CA-0910F x 2		
	(9-Pin Female-Female D-Sub Cable 1 m)		