

## 2.2. VXC Series Communication Boards



### 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 V<sub>rms</sub> Isolation for VXC-112iAU



### 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.

### 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

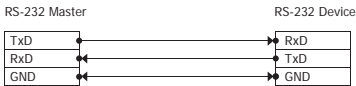
### Hardware Specifications

Models	VXC-112AU	VXC-112iAU
<b>Communication Port</b>		
COM1, 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	
Isolated	-	2500 V <sub>rms</sub>
<b>General</b>		
Bus Type	Universal PCI, 3.3 V/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	100 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)	134 mm x 90 mm x 22 mm	

## Wiring

DTE Device (Computer)		DB-9	DTE to DCE Connections		DCE Device (Modem)		DB-9
Pin#	DB-9	RS-232 Signal Names	Signal Direction		Pin#	DB-9	RS-232 Signal 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	→	→	#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

### 3-wire RS-232 Wiring



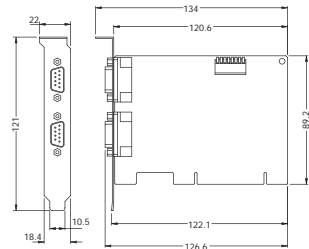
## Pin Assignments

Pin Assignment	Terminal	No.	Pin Assignment
GND	05	09	RI
DTR	04	08	CTS
TxD	03	07	RTS
RxD	02	06	DSR
DCD	01		

Male DB-9 Connector

## Dimensions (Unit: mm)

### VXC-112AU/VXC-112iAU



## 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)



### 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.

### Hardware Specifications

Models	VXC-114U	VXC-114IAU	VEX-114	VEX-114i
<b>Communication Port</b>				
COM1 – COM4	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			
Isolated	-	2500 V <sub>rms</sub>	-	2500 V <sub>rms</sub>
<b>General</b>				
Bus Type	Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, Plug and Play mechanism		PCI Express x1, Plug and Play	
COM-Selector	Yes (8-bit DIP switch)			
Connector	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	

### 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 x1 for VEX series
- 2500 V<sub>rms</sub> Isolation for i version



### Applications

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

### Software

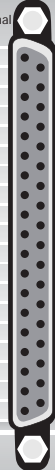
- DOS Lib
- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

**Wiring**

DTE Device (Computer)		DB-9	DTE to DCE Connections		DCE Device (Modem)		DB-9
Pin#	DB-9	RS-232 Signal Names	Signal Direction		Pin#	DB-9	RS-232 Signal 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	←		#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


**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	27	CTS4
RTS4	09	28	RxD4
TxD4	10	29	RI2
DCD2	11	30	DTR2
GND	12	31	DSR2
CTS2	13	32	RTS2
RxD2	14	33	TxD2
RI1	15	34	DCD1
DTR1	16	35	GND
DSR1	17	36	CTS1
RTS1	18	37	RxD1
TxD1	19		



RS-232 Female DB-37 Connector

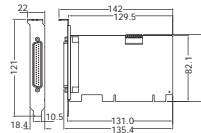
Pin Assignment	Terminal	No.	Pin Assignment
GND	05	09	RI
DTR	04	08	CTS
TxD	03	07	RTS
RxD	02	06	DSR
DCD	01		



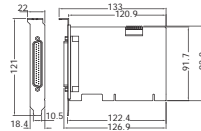
RS-232 Female DB-37 to Male DB-9 Connector

**Dimensions (Unit: mm)**

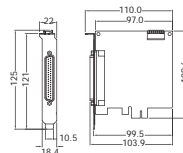
**VXC-114U**



**VXC-114IAU**



**VEX-114/VEX-114I**



**Ordering Information**

VXC-114U CR	Universal PCI, Serial Communication Board with 4 RS-232 ports (RoHS). Includes One CA-4002 Connector
VXC-114U/D2 CR	Universal PCI, Serial Communication Board with 4 RS-232 ports (RoHS). Includes One CA-9-3715D Cable
VEX-114 CR	PCI Express, Serial Communication Board with 4 RS-232 ports (RoHS). Includes One CA-4002 Connector
VEX-114/D2 CR	PCI Express, Serial Communication Board with 4 RS-232 ports (RoHS). Includes One CA-9-3715D Cable
VXC-114IAU CR	Universal PCI, Serial Communication Board with 4 Isolated RS-232 ports (RoHS). Includes One CA-4002 Connector
VXC-114IAU/D2 CR	Universal PCI, Serial Communication Board with 4 Isolated RS-232 ports (RoHS). Includes One CA-9-3715D Cable
VEX-114I CR	PCI Express, Serial Communication Board with 4 Isolated RS-232 ports (RoHS). Includes One CA-4002 Connector
VEX-114I/D2 CR	PCI Express, Serial Communication Board with 4 Isolated 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°)



### 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<sub>rms</sub> Isolation for i version



### 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-142iAU 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.

### 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
<b>Communication Port</b>		
COM1, COM2	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously
	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 V <sub>rms</sub>
<b>General</b>		
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 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	

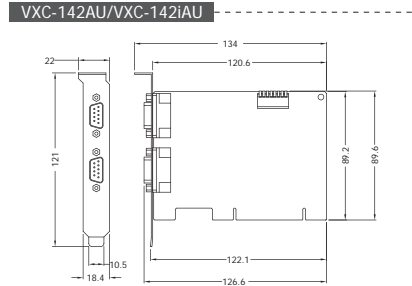
## Pin Assignments

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		

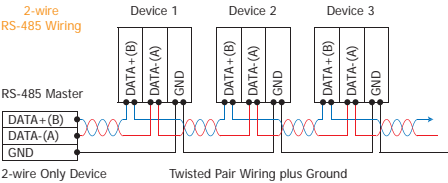


RS-422/485 Male DB-9 Connector

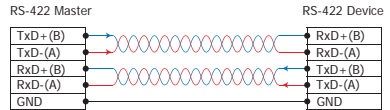
## Dimensions (Unit: mm)



## Wiring



### 4-wire RS-422 Wiring



## 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
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)



## 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 V<sub>rms</sub> Isolation



## Introduction

The VXC-144U/VEX-144 card provides 4 non-isolated RS-422/RS-485 serial ports and the VXC-144IU/VEX-144i 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.

## Applications

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

## Software

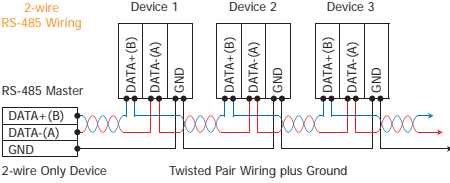
- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

## Hardware Specifications

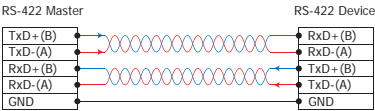
Models	VXC-144U	VXC-144IU	VEX-144	VEX-144i
<b>Communication Port</b>				
COM1 – COM4	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously		
	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND		
	RS-485	Data+, Data-, GND		
UART	16C950 compatible			
Baud Rate	50 – 115200 bps			
Data Bit	5, 6, 7, 8			
Stop Bit	1, 1.5, 2			
Parity	None, Even, Odd, Mark, Space			
FIFO	Internal 128 bytes			
Isolated	-	2500 V <sub>rms</sub>	-	2500 V <sub>rms</sub>
<b>General</b>				
Bus Type	Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, Plug and Play mechanism		PCI Express x1, Plug and Play	
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 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	142 mm x 95 mm x 22 mm	114 mm x 101 mm x 22 mm	

**Wiring**

**2-wire RS-485 Wiring**



**4-wire RS-422 Wiring**



**Pin Assignments**

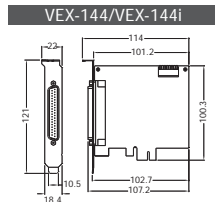
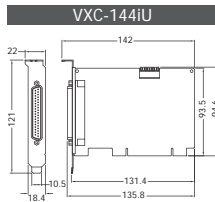
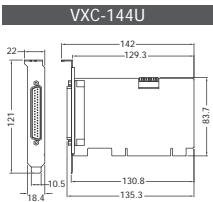
Pin Assignment	Terminal	No.	Pin Assignment
N.C.	01	20	CTS3-(A)
TxD3-(A)/Data3-(A)	02	21	RxD3-(A)
GND/VEE3	03	22	RTS3-(A)
CTS3+(B)	04	23	RTS3+(B)
TxD3+(B)/Data3+(B)	05	24	RxD3+(B)
CTS4-(A)	06	25	TxD4-(A)/Data4-(A)
RxD4-(A)	07	26	GND/VEE4
RTS4-(A)	08	27	CTS4+(B)
RTS4+(B)	09	28	TxD4+(B)/Data+(B)
RxD4+(B)	10	29	CTS2-(A)
TxD2-(A)/Data2-(A)	11	30	RxD2-(A)
GND/VEE2	12	31	RTS2-(A)
CTS2+(B)	13	32	RTS2+(B)
TxD2+(B)/Data2+(B)	14	33	RxD2+(B)
CTS1-(A)	15	34	TxD1-(A)/Data1-(A)
RxD1-(A)	16	35	GND/VEE1
RTS1-(A)	17	36	CTS1+(B)
RTS1+(B)	18	37	TxD1+(B)/Data1+(B)
RxD1+(B)	19		

RS-422/485 Female DB-37 Connector

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		

RS-422/485 Female DB-37 to Male DB-9 Connector

**Dimensions (Unit: mm)**



**Ordering Information**

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

**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°)



**NEW**



## 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 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.

### Hardware Specifications

Communication Port		
COM1	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously
	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, 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 Temperature		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

### 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 V<sub>mm</sub> 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

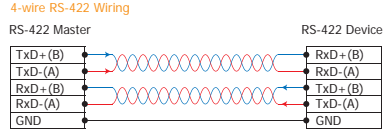
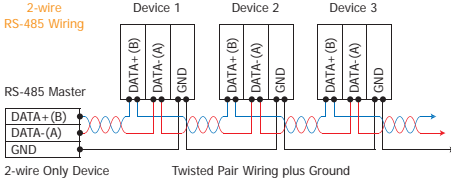
- Industrial Machinery
- Building Automation
- Restaurant Appliances
- Laboratory Equipment & Research
- Industrial Communication

### Software

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

**Wiring**

DTE Device (Computer)		DB-9	DTE to DCE Connections		DCE Device (Modem)		DB-9
Pin#	DB-9	RS-232 Signal Names	Signal Direction		Pin#	DB-9	RS-232 Signal 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	←		#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



**Pin Assignments**

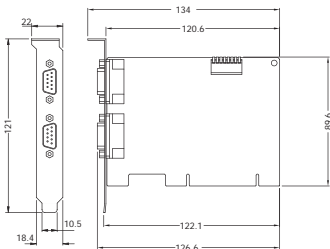
Pin Assignment	Terminal	No.	Pin Assignment
GND/VEE	05	09	CTS-(A)
RxD-(A)	04	08	CTS+(B)
RxD+(B)	03	07	RTS+(B)
TxD+(B)/Data+(B)	02	06	RTS-(A)
TxD-(A)/Data-(A)	01		

COM1: RS-422/485 Male DB-9 Connector

Pin Assignment	Terminal	No.	Pin Assignment
GND	05	09	RI
DTR	04	08	CTS
TxD	03	07	RTS
RxD	02	06	DSR
DCD	01		

COM2: RS-232 Male DB-9 Connector

**Dimensions (Unit: mm)**



**Ordering Information**

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