

# Product Selection Guide

(Industrial Serial Converters/Isolators/Repeaters/Hubs)

CE/FCC certified with 5-year Warranty














Communications made easy  
<http://www.CommFront.com>





CommFront offers a range of high-quality, industrial-grade, port or externally-powered USB RS232 RS485 RS422 TTL converter/isolator/repeater/hub products. These plug-and-play products operate within a wide temperature range (-40°F to 185°F / -40°C to 85°C), feature 600W surge protection and 15kV static protection, and come with built-in 120 Ohm terminators for easy installation. Whether your environment is commercial or industrial, "clean" or "noisy"\*, our converter products provide safe, easy, and cost-effective solutions for your data-conversion applications.

A "noisy" environment is an area surrounded by ground loops, transient surges and spikes, which could potentially harm your expensive equipment such as computers and data communication devices. The CommFront opto-isolated converters and isolators provide simple and effective ways to protect your devices from such potential harms.







## Industrial RS232/RS485/RS422 Converters

Part Number	Description	Price
 CVT-485-1	RS232 ⇔ 2-wire RS485 Converter (Port-powered / 300 to 115.2K Baud)	\$47.95
 CVT-422-1	RS232 ⇔ 4-wire RS422 Converter (Port-powered / 300 to 115.2K Baud)	\$47.95
 CVT-485_422-1	RS232 ⇔ 2-wire RS485 or 4-wire RS422 Converter (Port-powered / 300 to 115.2K Baud)	\$54.95
 CVT-485-3	Opto-Isolated RS232 ⇔ 2-wire RS485 Converter (Opto-Isolated / Port-powered / 1200 to 57.6K Baud)	\$74.95
 CVT-422-3	Opto-Isolated RS232 ⇔ 4-wire RS422 Converter (Opto-Isolated / Port-powered / 1200 to 38.4K Baud)	\$74.95
 CVT-485_422-3	Opto-Isolated RS232 ⇔ 2-wire RS485 or 4-wire RS422 Converter (Opto-Isolated / Port-powered / 1200 to 38.4K Baud)	\$79.95
 CVT-485_422-4	RS232 ⇔ 2-wire RS485 or 4-wire RS422 Converter (Opto-Isolated / Externally-powered / 300 to 115.2K Baud) * External power supply included.	\$119.95
 RPT-485_422-2	2-wire RS485 ⇔ 4-wire RS422 Converter (External-5VDC-powered / 300 to 115.2K Baud)	\$69.95
 RPT-485_422-4	RS485 ⇔ RS422 Converter or RS485/RS422 Repeater (Opto-Isolated / Externally-powered / 300 to 115.2K Baud) * External power supply included.	\$119.95
 CVT-485_422-1(25)	25-Pin RS232 ⇔ 2-wire RS485 or 4-wire RS422 Converter (Port-powered / 300 to 115.2K Baud)	\$54.95
 CVT-485_422-3(25)	Opto-Isolated 25-Pin RS232 ⇔ 2-wire RS485 or 4-wire RS422 Converter (Opto-Isolated / Port-powered / 1200 to 38.4K Baud)	\$79.95


### Industrial RS232/RS485/RS422 to TTL Converters

Part Number	Description	Price
 TTL-232-1	RS232 ⇔ TTL 5V Converter (Port-powered / 300 to 115.2K Baud)	\$39.95
 TTL33-232-1	RS232 ⇔ TTL 3.3V Converter (Port-powered / 300 to 115.2K Baud)	\$39.95
 TTL-485-2	TTL 5V ⇔ 2-wire RS485 Converter (External-5VDC-powered / 300 to 115.2K Baud)	\$49.95
 TTL-485_422-2	TTL 5V ⇔ 2-wire RS485 or 4-wire RS422 Converter (External-5VDC-powered / 300 to 115.2K Baud)	\$59.95

### Industrial RS232 Isolators / RS232 RS485 RS422 Repeaters / RS485 Hub & Splitter

Part Number	Description	Price
 CVT-232A-3	RS232 Opto-Isolator (TX, RX, GND) (3-Wire / Opto-Isolated / Port-powered / 300 to 38.4K Baud)	\$49.95
 CVT-232B-3	RS232 Opto-Isolator (TX, RX, DTR, DSR, RTS, CTS, GND) (7-Wire / Opto-Isolated / Port-powered / 300 to 19.2K Baud)	\$59.95
 RPT-232-3	Opto-Isolated RS232 Repeater (TX, RX, GND) – works in pair (3-Wire / Opto-Isolated / Port-powered / 300 to 28.8K Baud)	\$34.95
 RPT-485_422-2	2-wire RS485 ⇔ 4-wire RS422 Converter RS485 Repeater / RS422 Repeater (External-5VDC-powered / 300 to 115.2K Baud)	\$69.95
 RPT-485_422-4	RS485/RS422 Repeater or RS485 ⇔ RS422 Converter (Opto-Isolated / Externally-powered / 300 to 115.2K Baud) * External power supply included.	\$119.95
 HUB-485-4	RS232/RS485 ⇔ 4x RS485 Hub / Splitter (Opto-Isolated / Externally-powered / 300 to 115.2K Baud) * External power supply included.	\$149.95

### Industrial USB to RS232/RS485/RS422 Converter

Part Number	Description	Price
 USB-Serial-3	Opto-Isolated USB to RS232/485/422 Converter (Opto-Isolated / Port-powered / 300 to 115.2K Baud / Win 7/Vista/XP/Server2K3/2K, Win CE, Mac, Linux supported)	\$119.95

# Product Selection Guide







(RS232/485/422 / Ethernet to Fiber Optic Converters)  
*CE/FCC certified with 5-year Warranty*



CommFront offers a range of high-quality, commercial and industrial-grade Fiber Optic Converter products, including Industrial RS232/RS485/RS422 to Fiber Optic Converters and 10/100M Ethernet to Fiber Optic Converters. CommFront Fiber Optic Converter products come with the options of Single or Multi-Mode and ST, SC or FC connectors.

Besides the capability of long distance data transmission, Fiber Optic products are inherently resistant to EMI/RFI interferences and transient surges, and therefore, they are ideal for data communications near heavy electrical equipment and other electrical or radio interference.

## Industrial RS232/RS485/RS422 ⇔ Fiber Optic Converters

Part Number	Description	Price
 FBR-Serial-2 Multi-Mode (Wall-Mount)	Industrial RS232/485/422 ⇔ Fiber Optic Converter Multi-Mode 1.2 miles/2 km ST or SC Connectors Wall/Panel-Mount	\$144.95
 FBR-Serial-2 Single-Mode (Wall-Mount)	Industrial RS232/485/422 ⇔ Fiber Optic Converter Single-Mode 12.4 miles/20 km ST or SC Connectors Wall/Panel-Mount	\$169.95
 FBR-Serial-2 Multi-Mode (Rack/Wall-Mount)	Industrial RS232/485/422 ⇔ Fiber Optic Converter Multi-Mode 1.2 miles/2 km ST, SC or FC Connectors Rack or Wall/Panel-Mount	\$169.95
 FBR-Serial-2 Single-Mode (Rack/Wall-Mount)	Industrial RS232/485/422 ⇔ Fiber Optic Converter Single-Mode 24.8 miles/40 km ST, SC or FC Connectors Rack or Wall/Panel-Mount	\$199.95
 FBR-Ethernet-2 Multi-Mode (Wall-Mount)	10/100M Ethernet ⇔ Fiber Optic Converter Multi-Mode 1.2 miles/2 km ST or SC Connectors Wall/Panel-Mount	\$84.95
 FBR-Serial-2 Single-Mode (Wall-Mount)	10/100M Ethernet ⇔ Fiber Optic Converter Single-Mode 12.4 miles/20 km ST or SC Connectors Wall/Panel-Mount	\$94.95

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## (USB to RS232/485/422/TTL Converters/Adapters)

*CE/FCC certified with 5-year Warranty*



CommFront offers a range of high-quality, port-powered commercial and industrial-grade USB to RS232/485/422/TTL converter products; these USB Serial Converter products support a great range of Operating Systems, including Windows 7/Vista/XP/Server2K3/2000, Win CE, Mac and Linux.

### USB to RS232/RS485/RS422/TTL Converters/Adapters

Part Number	Description	Price
 USB-Serial-3	Industrial USB ⇔ RS232/485/422 Isolated Converter Supports Win 7/Vista/XP/Server2003/2000 (32-bit), Win 7/Vista (64-bit), Win CE, Mac and Linux.	\$119.95
 USB-232-1	USB ⇔ RS232 Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$27.95
 USB-232A-1	USB ⇔ dual RS232 Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$39.95
 USB-232-1+CVT-485-1	USB ⇔ RS485 Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$75.95
 USB-232A-1+2xCVT-485-1	USB ⇔ dual RS485 Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$135.95
 USB-232-1+CVT-485_422-1	USB ⇔ RS422 Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$82.95
 USB-232A-1+2xCVT-485_422-1	USB ⇔ dual RS422 Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$149.95
 USB-232-1+TTL-232-1	USB ⇔ TTL 5V Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$67.95
 USB-232A-1+2xTTL-232-1	USB ⇔ dual TTL 5V Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$119.95
 USB-232-1+TTL33-232-1	USB ⇔ TTL 3.3V Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$67.95
 USB-232A-1+2xTTL33-232-1	USB ⇔ dual TTL 3.3V Adapter Supports Win 7/Vista/XP/Server2008/Server2003/2000/98 (32-bit), Win 7/Vista/XP/Server2008/Server2003 (64-bit), Win CE, Mac and Linux.	\$119.95

# Product Selection Guide







## (Advanced RS232/485/422/TTL Analyzer Software)

*Award-winning (tu cows 5/5-cow rating) product*



CommFront 232Analyzer is an advanced serial port protocol analyzer software that allows programmers, engineers, and others to control, monitor and analyze serial port (RS232, RS485, RS422 and TTL, etc.) activities. 232Analyzer supports data input and monitoring in ASCII, Hexadecimal, Decimal, Octal and Binary formats. It also allows you to monitor or change RS-232's Handshaking line states: RTS, DTR, CTS, DSR, DCD, and RI. With CommFront RS232 to RS485/RS422 or RS232 to TTL converters, it also allows you to monitor or control RS485 RS422 and TTL devices.

### Advanced RS232/485/422/TTL Protocol Analyzer Software and Accessories

Part Number	Description	Price
 232Analyzer	<b>Single-License</b> Licensing Information: Software is to be installed on a single computer (hardware code). License is not transferable, e.g. from one computer to another.	\$79.95
	<b>Multi-License</b> Licensing Information: Software may be installed on up to 5 computers (software code). License is freely transferable from one computer to another within the same organization at the same physical location.	\$369.95
	<b>Unlimited-Site-License</b> Licensing Information: Software may be installed on any number of computers (software code) within the same organization at the same physical location.	\$594.95
 CD-232-1	232Analyzer Backup CD	\$14.95
 CBL-Half-1	Half-Duplex RS232 Monitor/Control Cable	\$34.95
 CBL-Full-1A	Full-Duplex RS232 Monitor/Control Cable	\$44.95
 RS232 9-Pin Gender Changer Female-Female (Part Number: GCH-9_FF-1) Male-Male (Part Number: GCH-9_MM-1)		\$4.95
 PWR-5_US-1	5VDC Regulated Power Supply (Input: 100 to 240VAC; 50/60Hz)	\$14.95

### Recommended Hardware Accessories (for Serial Port Monitor)

Direction Indication	RS-232	RS-485	RS-422	TTL 5V	TTL 3.3V
Yes	1x USB-232A-1 1x CBL-Full-1A	1x USB-232A-1 1x CBL-Full-1A 2x CVT-485-1 2x PWR-5_US-1 2x GCH-9_MM-1	1x USB-232A-1 2x CVT-485_422-1	1x USB-232A-1 1x CBL-Full-1A 2x TTL-232-1	1x USB-232A-1 1x CBL-Full-1A 2x TTL33-232-1
No	1x USB-232-1 1x CBL-Half-1	1x USB-232-1 1x CVT-485-1	-	-	-

For more information on how to monitor/control your RS232/485/422/TTL devices, please visit:

[http://www.commfront.com/RS232\\_Protocol\\_Analyzer\\_Monitor/Serial-Port-Monitor.htm](http://www.commfront.com/RS232_Protocol_Analyzer_Monitor/Serial-Port-Monitor.htm)

[http://www.commfront.com/RS232\\_Protocol\\_Analyzer\\_Monitor/Serial-Terminal.htm](http://www.commfront.com/RS232_Protocol_Analyzer_Monitor/Serial-Terminal.htm)