



**LSP2004**

USB cable, 1,8m length, terminated at one side with an USB A/Male connector and an USB B/Male connector at the other one.



**LSP2008**

USB cable, 5m length, terminated at one side with an USB A/Male connector and an USB B/male connector at the other one.



**LSP2024**

RS232 cable, 2m length, terminated at one side with a 9 poles SUB-D male connector and a 9 poles SUB-D female connector at the other one.



**LSP2028**

RS232 serial data transmission cable, 5m length, terminated at one side with a 9 poles SUB-D male connector and a 9 poles SUB-D female connector at the other side.



**LSP2032**

RS232 serial data transmission cable, 10m length, terminated at one side with a 9 poles SUB-D male connector and a 9 poles SUB-D female connector at the other one.



### CNV3030 - USB to RS485 Industrial Interface

- ✓ USB port and RS485 line insulated between them (>1KV)
- ✓ Easy DIN rail mounting
- ✓ USB port 1.1 and 2.0 compatible
- ✓ Designed for Windows 98, SE, Me, 2000 and XP
- ✓ Standard system port emulation driver
- ✓ LINUX supported in native mode with kernel version 2.4.0 or more
- ✓ Electrostatic discharges protection up to 15KV
- ✓ Removable terminal blocks for an easy connection
- ✓ Power supply directly taken from the USB port (no auxiliary voltages required)
- ✓ RS485 enable mode manually and automatically selectable
- ✓ Automatic enable mode extremely accurate, reliable and repeatable
- ✓ RS485 polarization integrated and settable
- ✓ RS485 termination integrated and settable
- ✓ Independent reception and transmission buffer superior to 128byte
- ✓ Baud rate selectable from 110baud up to 921,600baud in 13 different values
- ✓ 3 status LED indicators
- ✓ Fully digital design
- ✓ Accessories available

## CNV3010 - RS232 ↔ RS485 Industrial Interface

The CNV3010 interface convert an RS232 into RS485 line and vice versa. Thanks to its various setting possibilities the CNV3010 can be used in unlimited number of applications.



- ✓ RS232 port and RS485 line optocoupled between them and from the power supply (triple insulation >1KV)
- ✓ Easy DIN rail mounting
- ✓ Electrostatic discharges protection up to 15KV
- ✓ Separate RS232 connectors for DTE and DCE
- ✓ Removable terminal blocks for an easy connection
- ✓ RS485 enable mode manually and automatically selectable
- ✓ Automatic enable mode extremely accurate, reliable and repeatable
- ✓ RS485 manual enable mode signals selectable through RTS or DTR
- ✓ RS485 polarization integrated and settable
- ✓ RS485 termination integrated and settable
- ✓ Baud Rate selectable from 110baud up to 320,400baud in 11 different values
- ✓ 7- and 8-bit formats support, with 1 or 2 stop bit, with or without parity
- ✓ Auto baud rate mode for the automatic and dynamic configuration of speed and format
- ✓ Auto baud rate mode for speed and non-standard formats support
- ✓ 3 status LED indicators
- ✓ Fully digital design
- ✓ Accessories available

## CNV3013 - USB ↔ RS232 Industrial interface

CNV3013 interface realizes an RS232 asynchronous serial line using the USB port of a PC.

Through the bundled device driver the interface is recognized by the operating system as a standard system serial port.

The **electric isolation** between the USB and RS232 ports grants a high level of noises immunity and eliminates the problems concerned with the ground loops.



- ✓ USB port and RS232 line optocoupled between them (>1KV)
- ✓ Easy DIN rail mounting
- ✓ Electrostatic discharges protection up to 15KV
- ✓ Separate RS232 connectors for DTE and DCE
- ✓ Removable terminal blocks for an easy connection
- ✓ Standard USB port 1.1 and 2.0 compatible
- ✓ Designed for Windows 98, SE, Me, 2000 and XP
- ✓ LINUX supported in native mode with kernel version 2.4.0 or more
- ✓ Multiple connection of more CNV3013 units to the same PC possible
- ✓ Virtual serial port driver to make the CNV3013 a standard system serial port
- ✓ Power supply taken from the USB port
- ✓ Wide reception and transmission buffer (>128byte)
- ✓ Baud rate selectable from 110baud up to 320,400baud in 11 different values
- ✓ 7- and 8-bit formats support, with 1 or 2 stop bit, with or without parity
- ✓ Parity formats selectable among odds, evens, mark or space
- ✓ 3 status LED indicators
- ✓ Fully digital design
- ✓ Accessories available

## CNV3020 - Estensore di linea RS232 Industriale

The line extender CNV3020 allows to transmit and receive all the signals typical of RS232 standard port, **control signals included**, to and from very long distances, using only a simple twisted pair cable for the wiring.



- ✓ RS232 port and RS485 line optocoupled between them and from the power supply (triple insulation >1KV)
- ✓ Easy DIN rail mounting
- ✓ Electrostatic discharges protection up to 15KV
- ✓ Separate RS232 connectors for DTE and DCE
- ✓ Removable terminal blocks for an easy connection
- ✓ **Each RS232 line extension (RX, TX, RTS, CTS, DSR, DCD, DTR, RI)**
- ✓ Physical connection through a simple twisted pair cable
- ✓ **Full-duplex communication supported**
- ✓ No calibration or setting required
- ✓ Wide reception and transmission buffer (>128byte)
- ✓ Baud rate up to 56,600baud. Non standard baud rate support. Any format support
- ✓ 3 status LED indicators
- ✓ Fully digital design
- ✓ Accessories available

## CNV3023 - RS232 Industrial line extender on USB port

The line extender CNV3023 can be connected to the USB port of a PC and, through the RS232 port emulation, allows to transmit and receive all signals typical of a RS232 standard port, **control signals included**, to and from very long distances, using only a simple twisted pair cable for the wiring.



- ✓ USB and transmission lines insulated (>1KV)
- ✓ Easy DIN rail mounting
- ✓ Electrostatic discharges protection up to 15KV
- ✓ Removable terminal blocks for an easy connection
- ✓ **Each RS232 control line extended (RX, TX, RTS, CTS, DSR, DCD, DTR, RI)**
- ✓ Physical connection through a simple twisted pair cable
- ✓ Full-duplex communication supported
- ✓ Standard USB port 1.1 and 2.0 compatible
- ✓ Designed for Windows 98, 2000 and XP
- ✓ LINUX supported in native mode with kernel version 2.4.0 or more
- ✓ No calibration or setting is required
- ✓ Virtual serial port driver to make the CNV3013 a standard system serial port
- ✓ Power supply taken from the USB port
- ✓ Wide reception and transmission buffer (>128byte)
- ✓ Baud rate selectable from 110baud up to 57,600baud. 7- and 8-bit formats support, with 1 or 2 stop bit, with or without parity (odds, evens, mark or space)
- ✓ 3 status LED indicators
- ✓ Fully digital design
- ✓ Accessories available