

UPort™ 1110/1130/1150

1-port RS-232, RS-422/485, and RS-232/422/485 USB-to-serial converters



Terminal Block Adaptor for UPort™ 1130/1150

- > Compatible with USB 2.0
- > 12 Mbps USB data rate
- > 921.6 Kbps maximum baudrate for super fast data transmission
- > Drivers provided for Windows, WinCE, and Linux
- > Mini DB9 female to terminal block adaptor for easy wiring
- > LEDs for indicating USB and TxD/RxD activity
- > 15 KV ESD protection for all serial ports

The certification logos shown here apply to some or all of the products in this section. For details, see "Regulatory Approvals" under "Specifications" below.



Instant Plug & Play

The UPort™ 1110/1130/1150 USB-to-serial converters are the perfect accessory for laptop computers that don't have a serial port. The UPort™ 1110 converts from USB to RS-232, the UPort™

1130 from USB to RS-422/485, and the UPort™ 1150 from USB to RS-232/422/485. All three products are compatible with new and legacy serial devices, and can be used with mobile, instrumentation, and point-of-sale applications.

Specifications

USB Interface

Compliance: USB 1.0/1.1 compliant, USB 2.0 compatible

Connector: USB type A

Speed: 12 Mbps (Full-Speed USB)

Serial Interface

Number of Ports: 1

Serial Standards:

UPort™ 1110: RS-232

UPort™ 1130: RS-422/485

UPort™ 1150: RS-232/422/485

Connector: DB9 male

Serial Line Protection

ESD Protection: 15 KV embedded

Performance

Baudrate: 50 bps to 921.6 Kbps

Serial Communication Parameters

Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: None, Even, Odd, Space, Mark

Flow Control: RTS/CTS, XON/XOFF

I/O Address: Assigned by BIOS

IRQ: Assigned by BIOS

FIFO: 64 bytes

Serial Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

RS-422: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

RS-485-4w: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

RS-485-2w: Data+(B), Data-(A), GND

Driver Support

Operating Systems: Windows (98/ME/2000, XP/2003/Vista x86/x64), WinCE 5.0/6.0, Linux 2.4, Linux 2.6 x86/x64

Physical Characteristics

Housing: ABS + PC

Weight:

Product only: 65 g (0.14 lb)

Packaged: 200 g (0.44 lb)

Dimensions: 38.4 x 60 x 20 mm (1.51 x 2.36 x 0.79 in)

Environmental Limits

Operating Temperature: 0 to 55°C (32 to 131°F)

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 70°C (-4 to 158°F)

Regulatory Approvals: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC-61000-4-6, IEC 61000-4-8, IEC-61000-4-11, FCC Part 15 Class B

Power Requirements

Power Consumption:

UPort™ 1110: 30 mA @ 5 VDC

UPort™ 1130: 90 mA @ 5 VDC

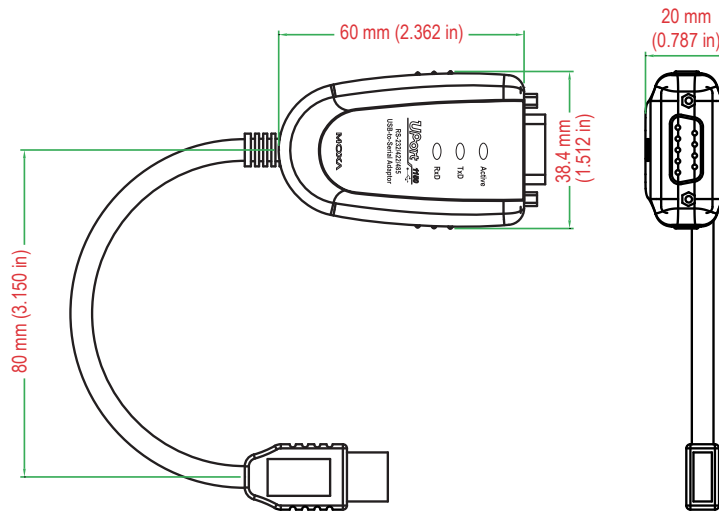
UPort™ 1150: 77 mA @ 5 VDC

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Dimensions



Ordering Information

Available Models

- UPort™ 1110:** 1-port RS-232 USB-to-serial converter
- UPort™ 1130:** 1-port RS-422/485 USB-to-serial converter
- UPort™ 1150:** 1-port RS-232/422/485 USB-to-serial converter

Package Checklist

- UPort™ 1110 or 1130 or 1150 USB-to-serial converter
- 1 mini DB9 female to terminal block adaptor (UPort™ 1130 and 1150 only)
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card

UPort™ 1150I

1-port RS-232/422/485 USB-to-serial converter with 2 KV isolation



- > Compatible with USB 2.0
- > 12 Mbps USB data rate
- > 15N high retention USB type B connector
- > Software selectable RS-232, RS-422, 4-wire RS-485, and 2-wire RS-485
- > Drivers provided for Windows, WinCE, and Linux
- > 15 KV ESD protection for all serial ports
- > 2 KV optical isolation protection
- > Full modem status LEDs for UPort™ 1150I

The certification logos shown here apply to some or all of the products in this section. For details, see "Regulatory Approvals" under "Specifications" below.



Instant Plug & Play

The UPort™ 1150I USB-to-serial converter allows you to connect 1 RS-232/422/485 device to your laptop or workstation through the USB (Universal Serial Bus) port. This plug & play USB solution is

compatible with both new and legacy RS-232/422/485 devices, and is perfect for mobile, instrumentation, and point-of sale applications.

Simplified, Hassle-free Serial Port Expansion

USB plug & play makes serial port expansion easy, and does not require IRQ, DMA, or I/O address resources. Users no longer need

to open the chassis or power down the system to add COM ports, saving on setup time and cost.

Specifications

USB Interface

Compliance: USB 1.0/1.1 compliant, USB 2.0 compatible
Connector: USB type B

Speed: 12 Mbps (Full-Speed USB)

Serial Interface

Number of Ports: 1

Serial Standards: RS-232/422/485

Connector: DB9 male

Serial Line Protection

ESD Protection: 15 KV embedded

Optical Isolation: 2 KV

Performance

Baudrate: 50 bps to 921.6 Kbps

Serial Communication Parameters

Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: None, Even, Odd, Space, Mark

Flow Control: RTS/CTS, XON/XOFF

I/O Address: Assigned by BIOS

IRQ: Assigned by BIOS

FIFO: 64 bytes

Serial Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

RS-422: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

RS-485-4w: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

RS-485-2w: Data+(B), Data-(A), GND

Driver Support

Operating Systems: Windows (98/ME/2000, XP/2003/Vista x86/x64), WinCE 5.0/6.0, Linux 2.4, Linux 2.6 x86/x64

Physical Characteristics

Housing: SECC sheet metal (1 mm), IP30 protection

Weight:

Product only: 75 g (0.65 lb)

Packaged: 320 g (0.72 lb)

Dimensions: 52 x 80 x 22 mm (2.05 x 3.15 x 0.87 in)

Environmental Limits

Operating Temperature: 0 to 55°C (32 to 131°F)

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 70°C (-4 to 158°F)

Regulatory Approvals: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC-61000-4-6, IEC 61000-4-8, IEC-61000-4-11, FCC Part 15 Class B

Power Requirements

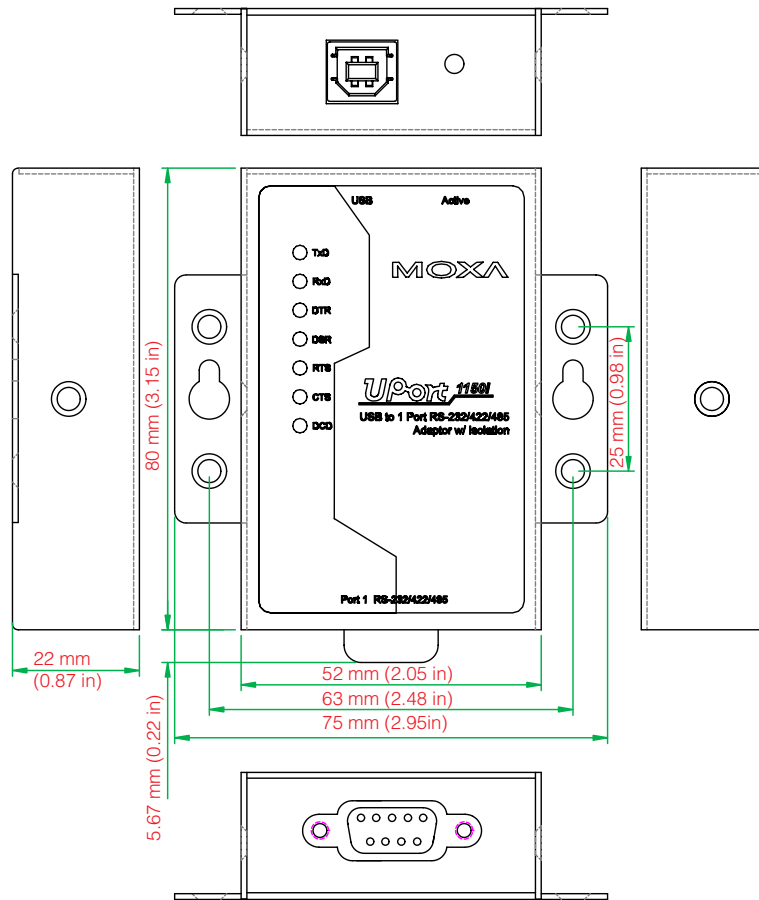
Power Consumption: 260 mA @ 5 VDC

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Dimensions



Ordering Information

Available Models

UPort™ 1150I: 1-port RS-232/422/485 USB-to-serial converter with 2 KV optical isolation

Optional Accessories (can be purchased separately)

DK35A: Mounting kit for 35-mm DIN-Rail

Package Checklist

- UPort™ 1150I USB-to-serial converter
- USB-IF certified cable
- 1 mini DB9 female to terminal block adaptor
- Velcro lock-down strap for the USB cable
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card