

UPort® 1100 Series (cable-type)

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



Terminal Block Adaptor for UPort® 1130I/1130I/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
- > 2 KV optical isolation protection (UPort® 1130I only)



: Instant Plug & Play

The UPort® 1110/1130/1130I/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®

1130/1130I 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® 1130/1130I: RS-422/485

UPort® 1150: RS-232/422/485

Connector: DB9 male

Serial Line Protection

ESD Protection: 15 KV embedded

Optical Isolation: 2 KV (UPort® 1130I only)

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:

- UPort® 1110/1130/1150: Windows (98/ME/2000, XP/2003/Vista x86/x64), WinCE 5.0/6.0, Linux 2.4, Linux 2.6 x86/x64
- UPort® 1130I: Windows (98/ME/2000, XP/2003/Vista x86/x64), 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: 60 mA @ 5 VDC

UPort® 1130I: 65 mA @ 5 VDC

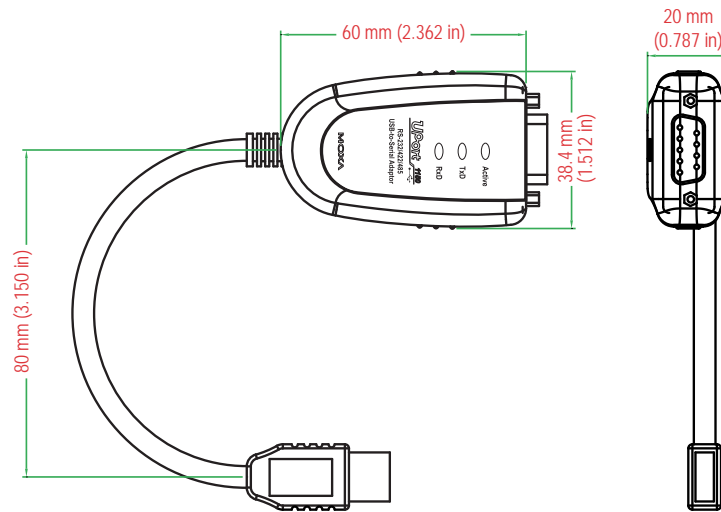
UPort® 1150: 77 mA @ 5 VDC

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® 1130I:** 1-port RS-422/485 USB-to-serial converter with 2 KV optical isolation
- UPort® 1150:** 1-port RS-232/422/485 USB-to-serial converter

Package Checklist

- UPort® 1110 or 1130 or 1130I or 1150 USB-to-serial converter
- 1 mini DB9 female to terminal block adaptor (UPort™ 1130, 1130I, 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



: 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: Tx, Rx, RTS, CTS, DTR, DSR, DCD, GND

RS-422: Tx+, Tx-, Rx+, Rx-, GND

RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND

RS-485-2w: Data+, Data-, 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

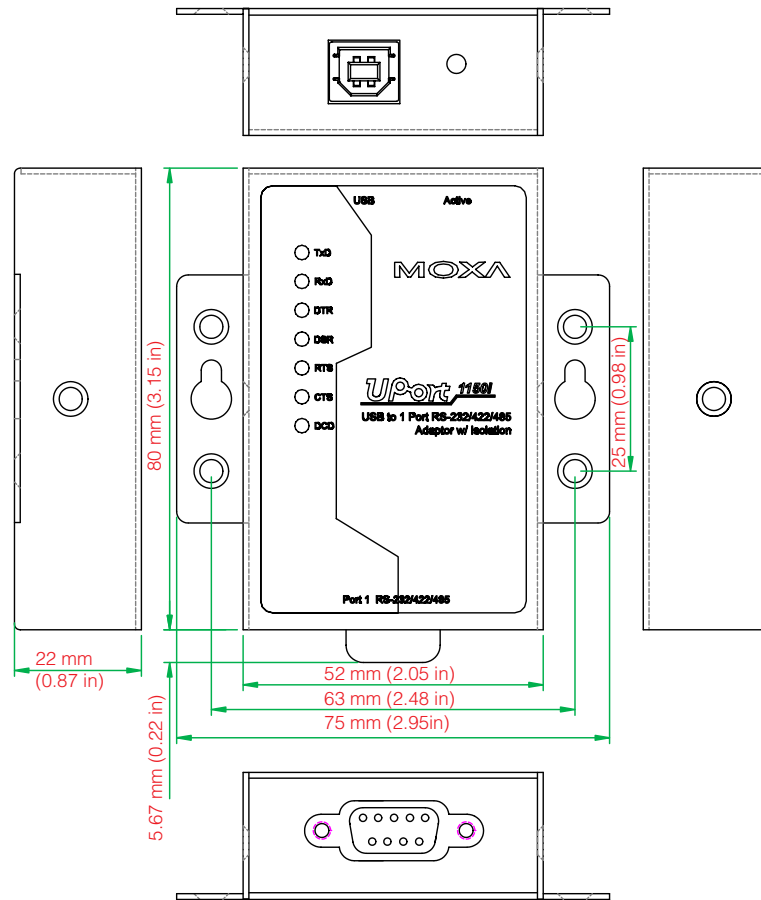
Power Consumption: 260 mA @ 5 VDC

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