

UPort™ 1150/1150I

1-port RS-232/422/485 USB-to-serial converters with optional 2 KV isolation protection



UPort™ 1150

UPort™ 1150I

- > Compatible with USB 2.0
- > 12 Mbps USB data rate
- > Software selectable RS-232, RS-422, 4-wire RS-485, and 2-wire RS-485
- > Certified drivers provided for Windows (including Vista), WinCE 5.0, and Linux
- > 15 KV ESD protection for all serial ports
- > 2 KV optical isolation protection (UPort™ 1150I)
- > Full modem status LEDs for UPort™ 1150I

The certification logos shown here apply to some or all of the products in this section. Please see the **Specifications** section or Moxa's website for details.



Instant Plug & Play

The UPort™ 1150/1150I USB-to-serial converters allow you to connect 1 RS-232/422/485 device to your laptop or workstation through the USB (Universal Serial Bus) port. These plug & play USB solutions are

compatible with both new and legacy RS-232/422/485 devices, and are 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:

UPort™ 1150: USB type A

UPort™ 1150I: 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 Protection: 2 KV (UPort™ 1150I 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

RS-485 Data Direction: ADDC™ (Automatic Data Direction Control)

Driver Support

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

Physical Characteristics

Housing:

UPort™ 1150: ABS + PC

UPort™ 1150I: SECC sheet metal (1 mm), IP30 protection

Weight:

Product only:

UPort™ 1150: 60 g (0.19 lb)

UPort™ 1150I: 80 g (0.16 lb)

Packaged:

UPort™ 1150: 181 g (0.43 lb)

UPort™ 1150I: 195 g (0.40 lb)

Dimensions:

UPort™ 1150: 37.5 x 60 x 20.5 mm (1.48 x 2.36 x 0.81 in)

UPort™ 1150I: 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:

UPort™ 1150: 77 mA @ 5 VDC

UPort™ 1150I: 260 mA @ 5 VDC

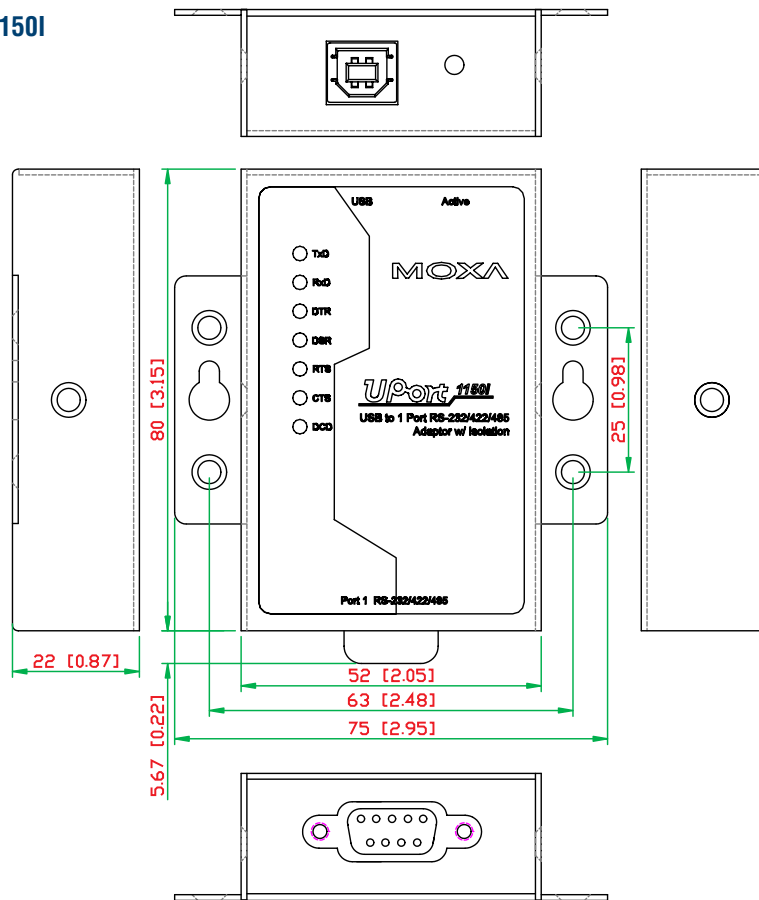
Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Dimensions

UPort™ 1150I



unit: mm (in)

Ordering Information

Available Models

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

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

Optional Accessories (can be purchased separately)

Magnet Accessory: Magnets for attaching the UPort™ 1150I to the PC's housing

DK35A: For attaching the UPort 1150I to a DIN-Rail

Package Checklist

- UPort™ 1150 or 1150I USB-to-serial converter
- 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