

# 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

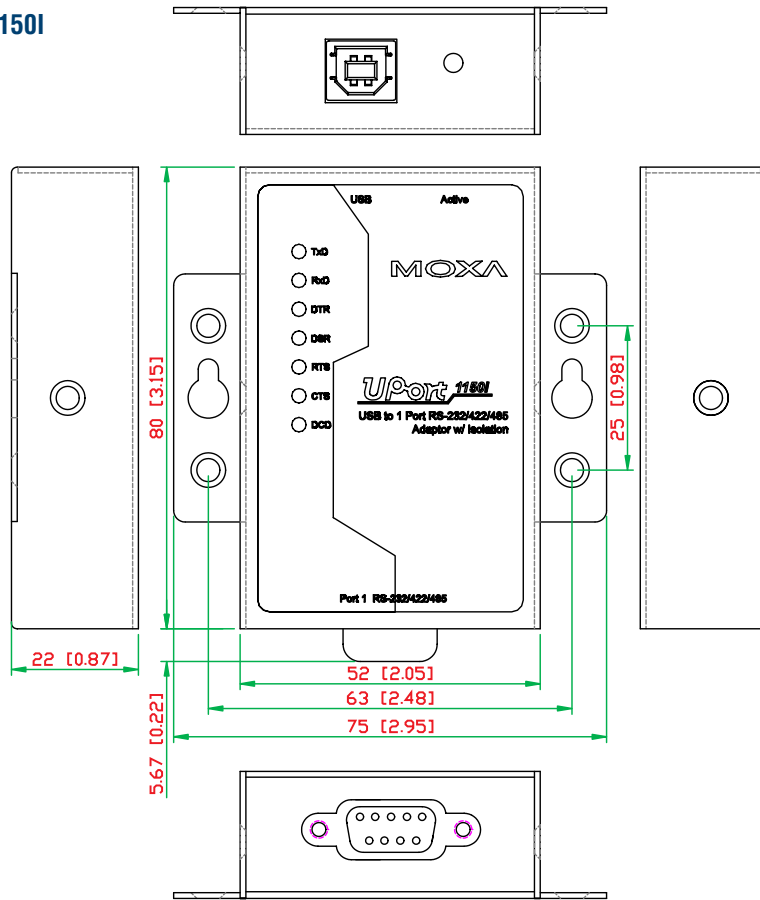
### Warranty

**Warranty Period:** 5 years

**Details:** See [www.moxa.com/warranty](http://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