

# UPort® 2210/2410

## 2 and 4-port RS-232 USB-to-serial converters



- > Hi-Speed USB 2.0 for up to 480 Mbps USB transmission
- > 921.6 Kbps maximum baudrate for super fast data transmission
- > Built-in 15 KV ESD protection for all serial ports
- > Drivers provided for Windows and Linux
- > Supports Fixed-Base COM Utility for setting the initial extended COM port number
- > LEDs for easy monitoring



### Overview

The UPort® 2210/2410 USB-to-serial converters allow you to connect 2 or 4 RS-232 devices to your laptop or workstation through the USB (Universal Serial Bus) port. The UPort® 2210 and UPort® 2410 are

cost-effective solutions for both new and legacy RS-232 devices, and are perfect for mobile, instrumentation, and point-of sale applications.

### Specifications

#### USB Interface

**Compliance:** USB 1.1/2.0 compliant

**Connector:** USB type B

**Speed:** 480 Mbps (Hi-Speed USB) and 12 Mbps (Full-Speed USB)

#### Serial Interface

**Number of Ports:**

UPort 2210: 2

UPort 2410: 4

**Serial Standards:** RS-232

**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, Mark, Space

**Flow Control:** RTS/CTS, XON/XOFF

**FIFO:** 16 bytes

#### Serial Signals

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

#### Driver Support

**Operating Systems:** Windows 2000, Windows XP/2003/Vista/2008/7 x86/x64, Linux 2.6.x, 3.0.x

*Note: Please refer to Moxa's website for the latest driver support information.*

#### Physical Characteristics

**Housing:** Polycarbonate (PC)

**Weight:**

Product only:

UPort 2210: 120 g (0.26 lb)

UPort 2410: 210 g (0.46 lb)

**Packaged:**

UPort 2210: 325 g (0.72 lb)

UPort 2410: 455 g (1 lb)

**Dimensions:**

UPort 2210: 70 x 35 x 120 mm (2.76 x 1.38 x 4.72 in)

UPort 2410: 80 x 35 x 185 mm (3.15 x 1.38 x 7.28 in)

#### Environmental Limits

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

**Storage Temperature:** -20 to 75°C (-4 to 167°F)

**Ambient Relative Humidity:** 5 to 95% (non-condensing)

#### Standards and Certifications

**Safety:** UL 60950-1

**EMC:** CE, FCC

**EMI:** EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B

**EMS:** EN 55024, 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

**Green Product:** RoHS, CRoHS, WEEE

#### Power Requirements

**Power Consumption:**

UPort 2210: 140 mA @ 5 VDC

UPort 2410: 240 mA @ 5 VDC

#### MTBF (mean time between failures)

**Time:**

UPort 2210: 4,221,778 hrs

UPort 2410: 3,901,775 hrs

**Database:** Telcordia (Bellcore), GB

#### Warranty

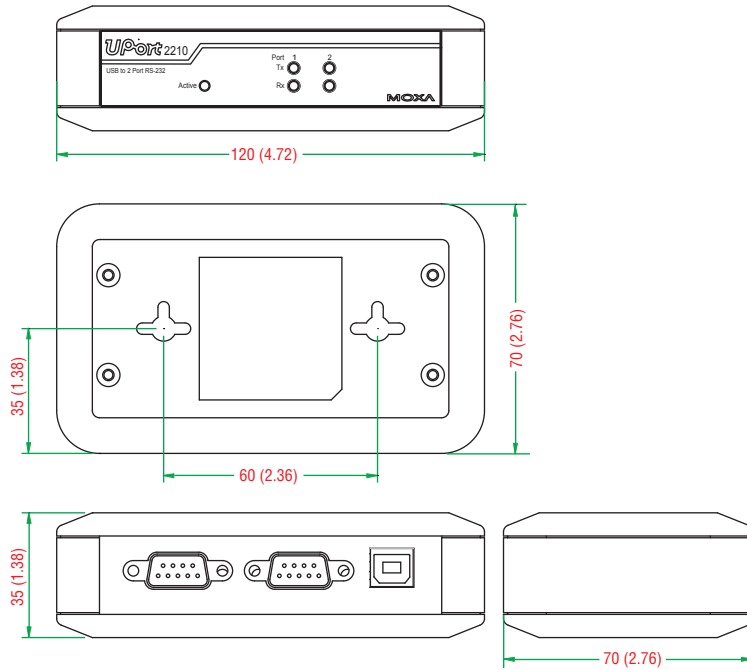
**Warranty Period:** 5 years

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

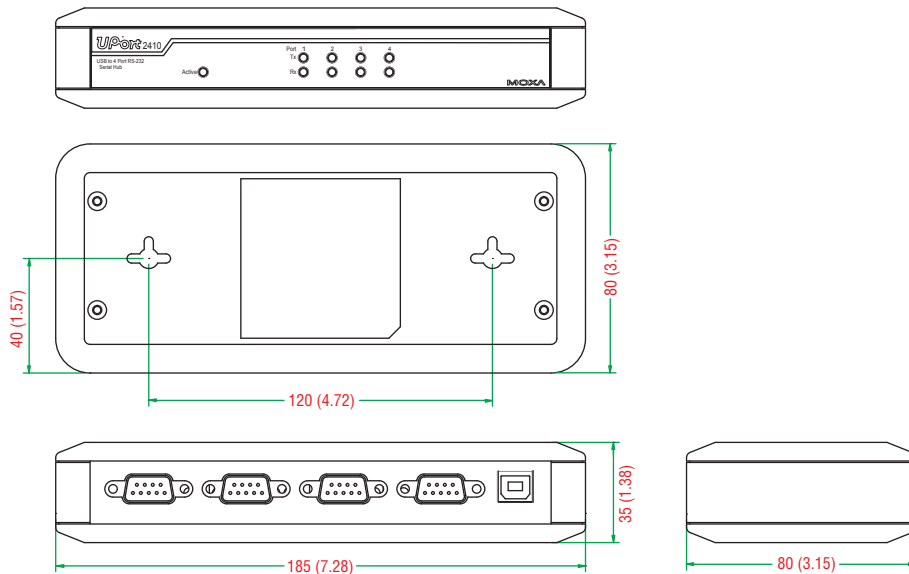
**Dimensions**

Unit: mm (inch)

**UPort® 2210**



**UPort® 2410**



**Ordering Information**

**Available Models**

- UPort 2210: 2-port RS-232 USB-to-serial converter
- UPort 2410: 4-port RS-232 USB-to-serial converter

**Package Checklist**

- 1 UPort 2210 or UPort 2410 USB-to-serial converter
- USB-IF certified cable
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card