

# 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
- > 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 they 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

#### 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  
**I/O Address:** Assigned by BIOS  
**IRQ:** Assigned by BIOS  
**FIFO:** 16 bytes

#### Serial Signals

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

#### Operating Systems

**Windows Real COM Drivers:** Windows 2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2012 (x64)  
**Mac Driver:** Mac OS X  
**Linux Real TTY Drivers:** Linux 2.4.x, 2.6.x, 3.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:** EN 55022/24  
**EMI:** CISPR 22, FCC Part 15B Class B  
**EMS:**

IEC 61000-4-2 ESD: Contact: 8 kV; Air: 4 kV  
 IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m  
 IEC 61000-4-4 EFT: Power: 1 kV  
 IEC 61000-4-5 Surge: Power: 1 kV  
 IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m  
 IEC 61000-4-8 PFMF

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

#### Power Requirements

**Input Voltage:** 5 VDC  
**Input Current:** 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  
**Standard:** Telcordia (Bellcore), GB

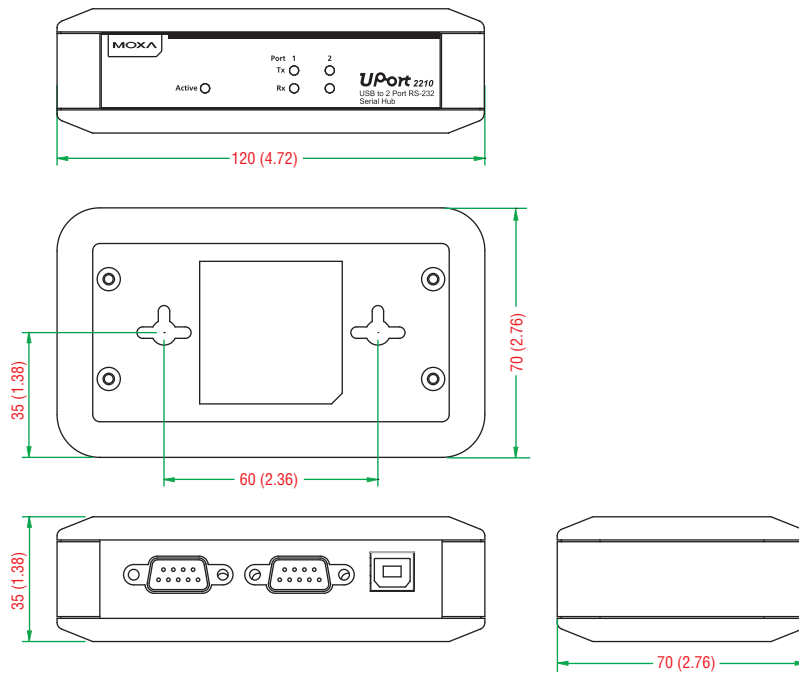
#### Warranty

**Warranty Period:** 5 years  
**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

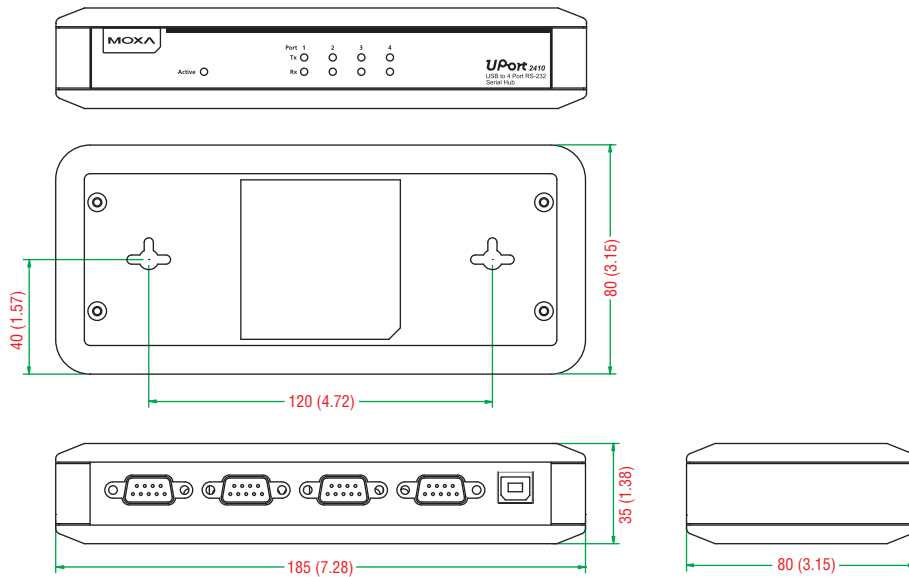
**Dimensions**

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

**Optional Accessories** (can be purchased separately)

**CBL-USBA/B-100:** USB Type A to USB Type B cable, 100 cm

**Package Checklist**

- 1 UPort 2210 or UPort 2410 USB-to-serial converter
- USB cable: CBL-USBA/B-100
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card

# Power Accessory Selection Guide

Barrel Plug Type		Non-locking barrel plug		Locking barrel plug			
O/P		12 VDC, 1.5 A, 100 to 240 VAC		12 VDC, 3 A 100 to 240 VAC (Switch Mode)			
Plug Type		CN	US/JP	EU	AU	UK	CN
Model Name		PWR-12150-CN-S2	PWR-12300-WPUSJP-S1	PWR-12300-WPEU-S1	PWR-12300-WPAU-S1	PWR-12300-WPUK-S1	PWR-12300-WPCN-S1
Appearance							
2 ports	UPort 1250	-	-	-	-	-	-
	UPort 1250I	✓	-	-	-	-	-
	UPort 2210	-	-	-	-	-	-
4 ports	UPort 1410	✓	-	-	-	-	-
	UPort 1450	✓	-	-	-	-	-
	UPort 1450I	✓	-	-	-	-	-
	UPort 2410	-	-	-	-	-	-
	UPort 204	-	✓	✓	✓	✓	✓
7 ports	UPort 404	-	✓	✓	✓	✓	✓
	UPort 207	-	✓	✓	✓	✓	✓
8 ports	UPort 407	-	✓	✓	✓	✓	✓
	UPort 1610-8	✓	-	-	-	-	-
16 ports	UPort 1650-8	✓	-	-	-	-	-
	UPort 1610-16	-	-	-	-	-	-
	UPort 1650-16	-	-	-	-	-	-

Barrel Plug Type		Locking barrel plug						
O/P		12 VDC 2 A, 100 to 240 VAC (desktop type)		2.5A/250 V Power Cord, 183 cm				
Plug Type		Must be used with a power cord		US	JP	EU	AU	UK
Model Name		PWR-12125-DT-S2	PWC-C7US-2B-183	PWC-C7JP-2B-183	PWC-C7EU-2B-183	PWC-C7AU-2B-183	PWC-C7UK-2B-183	
Appearance								
2 ports	UPort 1250	✓	✓	✓	✓	✓	✓	
	UPort 1250I	✓	✓	✓	✓	✓	✓	
	UPort 2210	-	-	-	-	-	-	
4 ports	UPort 1410	✓	✓	✓	✓	✓	✓	
	UPort 1450	✓	✓	✓	✓	✓	✓	
	UPort 1450I	✓	✓	✓	✓	✓	✓	
	UPort 2410	-	-	-	-	-	-	
	UPort 204	-	-	-	-	-	-	
7 ports	UPort 404	-	-	-	-	-	-	
	UPort 207	-	-	-	-	-	-	
8 ports	UPort 407	-	-	-	-	-	-	
	UPort 1610-8	✓	✓	✓	✓	✓	✓	
16 ports	UPort 1650-8	✓	✓	✓	✓	✓	✓	
	UPort 1610-16	✓	✓	✓	✓	✓	✓	
	UPort 1650-16	✓	✓	✓	✓	✓	✓	