UPort 1100 Series

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



Features and Benefits

- 921.6 kbps maximum baudrate for fast data transmission
- Drivers provided for Windows, macOS, Linux, and WinCE
- Virtual machine supported for VMWare Fusion/ESXi and Parallels
- Mini-DB9-female-to-terminal-block adapter for easy wiring
- LEDs for indicating USB and TxD/RxD activity
- 2 kV isolation protection (for "-I" models)

Certifications

Introduction

The UPort® 1100 Series of USB-to-serial converters is the perfect accessory for laptop or workstation computers that do not have a serial port. They are essential for engineers who need to connect different serial devices in the field or separate interface converters for devices without a standard COM port or DB9 connector.

The UPort® 1100 Series converts from USB to RS-232/422/485. All products are compatible with legacy serial devices, and can be used with instrumentation and point-of-sale applications.

Specifications

USB Interface	
Speed	12 Mbps
USB Connector	USB Type A: UPort 1110/1130/1130I/1150: USB Type B: UPort 1150I
USB Standards	USB 2.0 compatible, USB 1.1/1.0 compliant

Serial Interface	
No. of Ports	1
Connector	DB9 male
Baudrate	50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	None RTS/CTS XON/XOFF
Isolation	2 kV (I models)
Serial Standards	RS-232: UPort 1110 RS-422/485: UPort 1130/1130I RS-232/422485: UPort 1150/1150I

Serial Signals

RS-232	TxD, RxD, 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

Serial Software Features

Windows Drivers	Windows 11, 10, 8.1, 8, 7, Vista, ME, and XP Windows Server 2025, 2022, 2019, 2016, 2012 R2, 2012, 2008 R2, 2008, 2003, 2000, and NT
Linux Drivers	Kernel 6.x, 5.x, 4.x, 3.x, 2.6.x, and 2.4.x
Mac Drivers	14, 13, 12, 11 and 10.1x
Arm®-based Platform Support	Windows 11, Linux Kernel 6.x, 5.x and 4.x, macOS 14, 13, 12 and 11
Virtual Machine	VMware Fusion (Windows on macOS 10.12 to 10.15) VMWare ESXi (Windows 7 to 10, Windows Server 2008 R2 to 2019) VMWare ESXi (Linux kernel 5 and 4) Parallels Desktop (Windows on macOS 10.12 to 10.15)
Android API	Android 3.1.x and later

Power Parameters

Input Voltage	5 VDC
Input Current	UPort 1110: 30 mA UPort 1130: 60 mA UPort 1130I: 65 mA UPort 1150: 77 mA UPort 1150I: 260 mA

Physical Characteristics

Housing	UPort 1110/1130/1130I/1150: ABS + Polycarbonate UPort 1150I: Metal
Dimensions	UPort 1110/1130/1130I/1150: 37.5 x 20.5 x 60 mm (1.48 x 0.81 x 2.36 in) UPort 1150I: 52 x 80 x 22 mm (2.05 x 3.15 x 0.87 in)
Weight	UPort 1110/1130/1130I/1150: 65 g (0.14 lb) UPort 1150I: 75 g (0.16 lb)

Environmental Limits

Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature	-20 to 70°C (-4 to 158°F), package included
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class 1

EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m IEC 61000-4-8 PFMF
Safety	UL 60950-1 (UPort 1150I)

Declaration

Green Product	RoHS, CRoHS, WEEE

MTBF

Time	1,949,025 hrs
Standards	MIL-HDBK-217F Telcordia (Bellcore), GB

Package Contents

Device	1 x UPort 1100 Series USB-to-serial converter
Cable	UPort 1150I: 1 x USB type A male to USB type B male
Connectors	1 x Mini DB9F-to-TB (UPort 1130/1150 Models)
Documentation	1 x quick installation guide 1 x warranty card

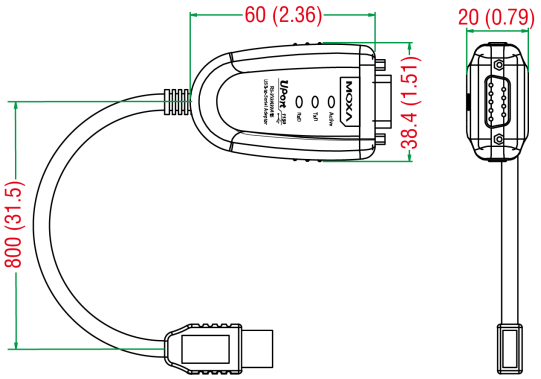
Warranty

Warranty Period	5 years Note: Product only
Details	See www.moxa.com/warranty

Dimensions

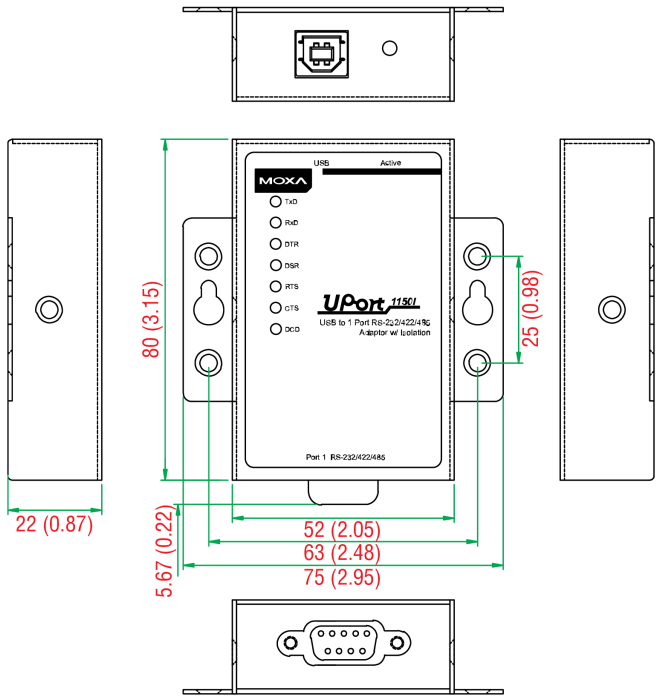
UPort 1110/1130/1130I/1150

Unit: mm (inch)



UPort 1150I

Unit: mm (inch)



Ordering Information

Model Name	USB Interface	Serial Standards	No. of Serial Ports	Isolation	Housing Material	Operating Temp.
UPort 1110	USB 1.1	RS-232	1	–	ABS+PC	0 to 55°C
UPort 1130	USB 1.1	RS-422/485	1	–	ABS+PC	0 to 55°C
UPort 1130I	USB 1.1	RS-422/485	1	2 kV	ABS+PC	0 to 55°C
UPort 1150	USB 1.1	RS-232/422/485	1	–	ABS+PC	0 to 55°C
UPort 1150I	USB 1.1	RS-232/422/485	1	2 kV	Metal	0 to 55°C

Accessories (sold separately)

Cables

NP21101	DB25 male to DB9 female cable for RS-232 transmission, 30 cm
CBL-F9M9-20	DB9 female to DB9 male serial cable, 20 cm
CBL-F9M9-150	DB9 female to DB9 male serial cable, 1.5 m
CBL-RJ45SF9-150	8-pin RJ45 to DB9 female serial cable with shielding, 1.5m
CBL-USBA/B-100	USB 2.0 cable, type A-to-type B, 1 m

Connectors

Mini DB9F-to-TB	DB9 female to terminal block connector
ADP-RJ458P-DB9F	DB9 female to RJ45 connector

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