

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	UPort 1110/1130/1130I/1150: USB Type A UPort 1150I: USB Type B
USB Standards	USB 1.0/1.1 compliant, USB 2.0 compatible

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	UPort 1130I/1150I: 2kV
Serial Standards	UPort 1110: RS-232 UPort 1130/1130I: RS-422, RS-485 UPort 1150/1150I: RS-232, RS-422, RS-485

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 Windows 10 (x86/x64) Windows 8.1 Windows 8 Windows 7 Windows Vista Windows ME Windows XP Windows Server 2019 Windows Server 2016 Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 Windows Server 2008 Windows 2003 Windows 2000 Windows NT
Virtual Machine	VMware Fusion (Windows on macOS 10.12 ~ 11.x) VMWare ESXi (Windows 7 to 10, Server 2008 R2 to 2019) VMWare ESXi (Linux kernel 4 and 5) Parallels Desktop (Windows on macOS 10.12 ~ 11.x)
Linux Drivers	Linux kernel 5.x Linux kernel 4.x Linux kernel 3.x Linux kernel 2.6.x Linux kernel 2.4.x
Mac Drivers	macOS 10.13 macOS 10.12 macOS 10.15 macOS 10.14
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 1130L: 65 mA UPort 1150: 77 mA UPort 1150L: 260 mA

Physical Characteristics

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

Environmental Limits

Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature (package included)	-20 to 70°C (-4 to 158°F)
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	UPort 1150I: UL 60950-1 UL 60950-1 (UPort 1150I)

Declaration

Green Product	RoHS, CRoHS, WEEE
---------------	-------------------

MTBF

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

Warranty

Warranty Period	5 years
Details	See www.moxa.com/warranty

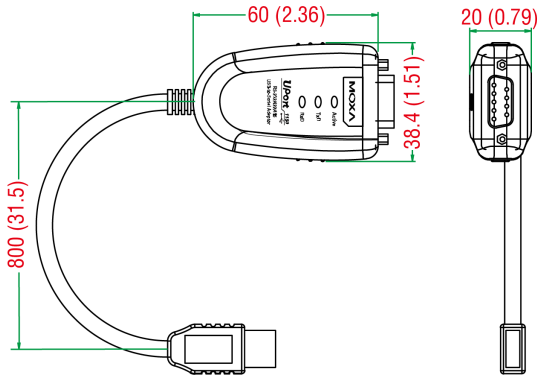
Package Contents

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

Dimensions

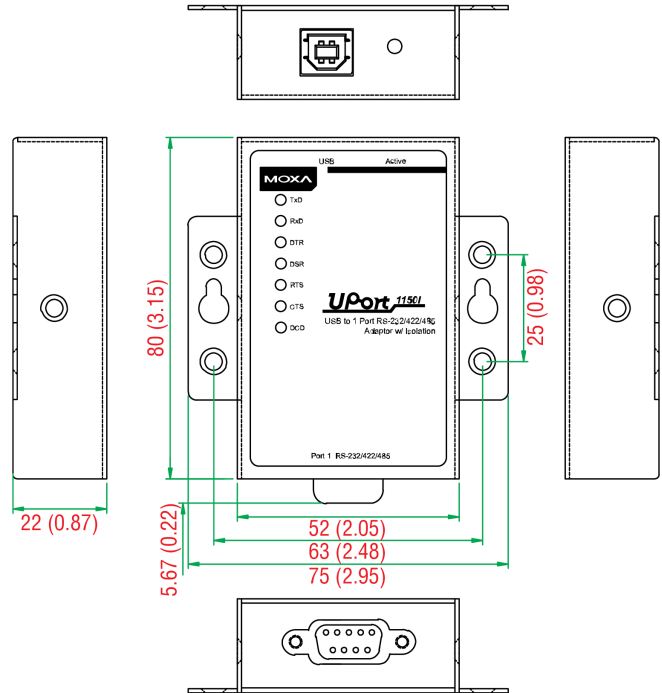
UPort 1110/1130/1130I/1150

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 Type A to USB Type B cable, 1 m

Connectors

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

Wireless Adapters

A-ADP-RJ458P-DB9F-ABC01	DB9 female to RJ45 connector for the ABC-01 Series
-------------------------	----------------------------------------------------

Rack-Mounting Kits

WK-44-01	Rack-mounting kit, 2 L-shaped plates, 8 screws, 44 x 57.5 x 1.6 mm
----------	--------------------------------------------------------------------

Applicable Models:
UPort 1150I

Wall-Mounting Kits

WK-35-01

Wall-mounting kit with 2 plates (35 x 44 x 2.5 mm) and 6 screws

Applicable Models:
UPort 1150I

© Moxa Inc. All rights reserved. Updated Mar 15, 2023.

This document and any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Moxa Inc. Product specifications subject to change without notice. Visit our website for the most up-to-date product information.