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
- 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

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 (package included)	-20 to 70°C (-4 to 158°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN 55032/24
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

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

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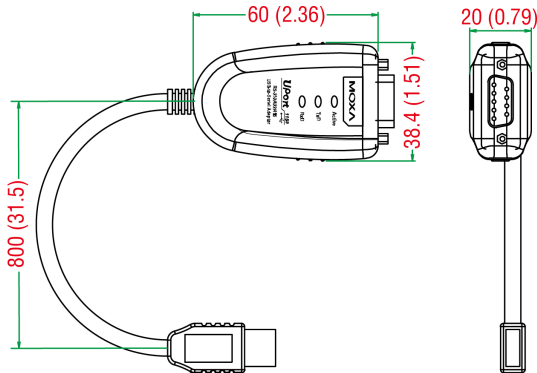## Package Contents

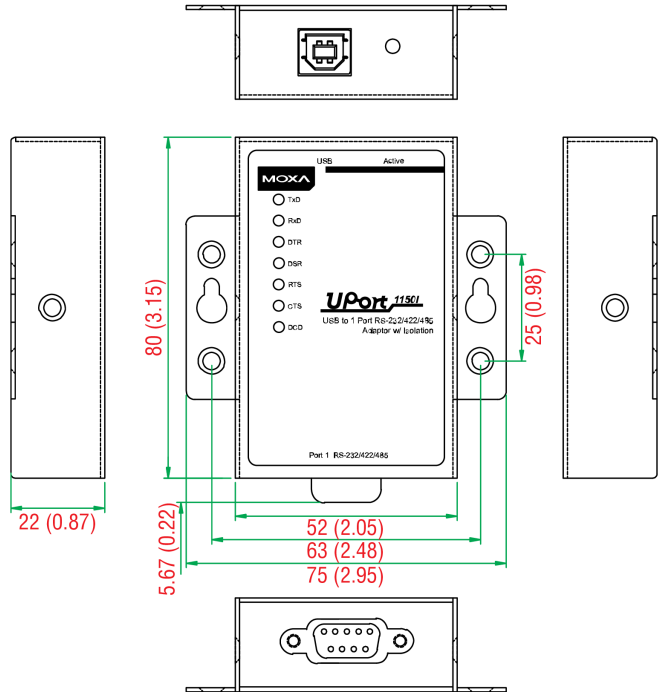|	
Device	1 x UPort 1100 Series USB-to-serial converter
Cable	UPort 1150I: 1 x USB type A male to USB type B male
Connectors	1 x Mini DB9F-to-TB (UPort 1130/1150 Models)
Documentation	1 x quick installation guide 1 x warranty card

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

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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**