UPort 1200-G2 系列

2 埠 RS-232/422/485 USB 轉串列轉換器



特色與優點

- USB 3.2 SuperSpeed 功能
- 50 bps 至 921.6 kbps 鮑率（支援非標準鮑率）
- 512 位元組內建 FIFO 快取與流量控制，可提升效能
- 位於角落的雙面 LED 可從任一方向顯示電源、TX 與 RX 狀態
- 支援多種作業系統的驅動程式，包括 Windows 和 Linux
- 鎖扣式 USB 線材設計，提供更穩固的連接
- 提供適用於 -40 至 75°C（-40 至 167°F）環境的寬溫型號
- 內建 2 kV 光電隔離保護的串列埠（適用於「-I」型號）

認證

簡介

UPort® 1200-G2 系列 USB 轉串列轉換器是需要擴充串列埠之筆記型電腦或工作站電腦的理想選擇。對於需要在現場連接不同串列裝置，或需要為不具備標準 COM 埠或 DB9 連接器之裝置提供提供串列介面的應用而言，這些轉換器至關重要。產品隨附具備鎖扣與螺絲固定設計的 USB 纜線，可確保 UPort 與電腦之間的連接更加穩固。UPort® 1200-G2 系列提供 USB 轉 RS-232/422/485 的串列通訊轉換功能。所有產品皆與舊式串列裝置相容，並可用於儀器測試與零售點管理系統 (POS) 應用。

規格

USB Interface

USB Standards	USB 3.2 Gen 1 USB 1.1/2.0 compliant
Speed	5 Gbps, 480 Mbps, 12 Mbps
No. of USB Ports	1
USB Connector	USB Type B

Serial Interface

Connector	DB9 male
Baudrate	50 bps to 921.6 kbps (supports non-standard baudrates)
FIFO	512 bytes
Parity	None, Even, Odd, Space, Mark
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohms
Terminator for RS-485	120 ohms

Flow Control	RTS/CTS, XON/XOFF
RS-485 Data Direction Control	Automatic Data Direction Control (ADDC)
Surge	0.5 kV
Isolation	2 kV (I models)
Serial Standards	RS-232/422/485
No. of Ports	2

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 and XP Windows Server 2022, 2019, 2016, 2012 R2, 2012, 2008 R2, 2008 and 2000
Linux Drivers	Kernel 6.x, 5.x and 4.x
Mac Drivers	macOS version (Intel 64): 13, 12, 11 and 10.1x
Virtual Machine	VMware Fusion (Windows on macOS 13, 12, 11, 10.1x, Intel 64) VMWare ESXi (Linux kernel 4) Parallels Desktop (Windows on macOS 13, 12, 11, 10.1x, Intel 64)
Arm®-based Platform Support	Linux kernel 6.x, 5.x and 4.x
Android API	Android 3.1.x and later

Power Parameters

Input Voltage	5 VDC by USB bus power
Input Current	UPort 1250-G2 models 320 mA @ USB 3 160 mA @ USB 2 UPort 1250I-G2 models: 400 mA @ USB 3 240 mA @ USB 2

Physical Characteristics

Housing	Metal
IP Rating	IP20
Dimensions	75.8 x 25.0 x 111.0 mm (2.98 x 0.98 x 4.37 in)
Weight	UPort 1250-G2 models: 259 g (0.57 lb) UPort 1250I-G2 models: 263 g (0.58 lb)

Environmental Limits

Operating Temperature	Standard models: 0 to 60°C (32 to 140°F) -T models: -40 to 75°C (-40 to 167°F)
Storage Temperature	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
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 IEC 61000-4-5 Surge: Power: 1 kV, Signal: 0.5 kV IEC 61000-4-6 CS: 3 kHz to 150 MHz; Signal: 80 V IEC 61000-4-8 PFMF
Safety	IEC 62368-1 EN 62368-1 UL 62368-1 (CB) KC
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6 IEC 60068-2-64
Shock	IEC 60068-2-27

Declaration

Green Product	RoHS, CRoHS, WEEE

MTBF

Standards	Telcordia Standard SR332
Time	UPort 1250-G2 models: 2,142,392 hrs UPort 1250I-G2 models: 1,793,060 hrs

Package Contents

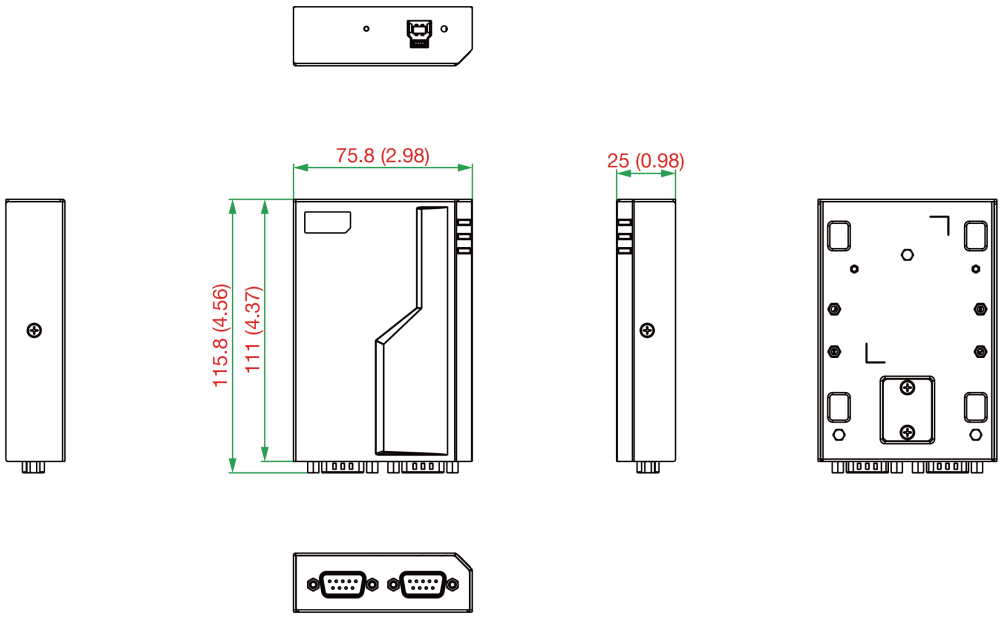
Device	1 x UPort 1200-G2
Cable	1 x USB 3.2 Gen 1 cable with latch and screw
Installation Kit	4 x rubber stand
Documentation	1 x warranty card 1 x quick installation guide

Warranty

Warranty Period	5 years Note: For product only
Details	See www.moxa.com/tw/warranty

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Serial Standards	No. of Serial Ports	Isolation	Power Input	Operating Temp.
UPort 1250-G2	RS-232/422/485	2	-	USB bus power	0 to 60°C
UPort 1250-G2-T	RS-232/422/485	2	-	USB bus power	-40 to 75°C
UPort 1250I-G2	RS-232/422/485	2	2 kV	USB bus power	0 to 60°C
UPort 1250I-G2-T	RS-232/422/485	2	2 kV	USB bus power	-40 to 75°C

配件

Cables

CBL-USB3-BA-G-120	USB 3.2 Gen 1 cable, type A-to-type B with latch and screw, 1.2 m
CBL-USB3-BA-G-028	USB 3.2 Gen 1 cable, type A-to-type B with latch and screw, 0.28 m
CBL-USB3-BA-BK-120	USB 3.2 Gen 1 cable, type A-to-type B, 1.2 m
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

Connectors

LB-DB9F-G-01	Serial loopback DB9 adaptor
Mini DB9F-to-TB	DB9 female to terminal block connector
ADP-RJ458P-DB9F	DB9 female to RJ45 connector

Mounting Kits

WK-32-01	Wall-mounting kit with 2 plates (32 x 29.5 mm), 4 M3 x 6 mm screws
DK-43-01	DIN-rail mounting kit with 2 plates (42.5 x 19.3 mm), 4 M3 x 6 mm screws, black, works with the wall-mounting kit of your product
DK-115-01	DIN-rail mounting kit with 1 plate (89 x 19 mm), 3 M3 x 5 mm screws and SK-115-01 side-mounting kit

Side-mounting Kits

SK-115-01	Side-mounting kit with T-shaped mounting bracket (81.2 x 115.0 mm), 4 M3 x 6 mm screws

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