

# UPort 1200/1400/1600 系列

2 到16 埠RS-232、RS-422/485 和RS-232/422/485 USB 轉串列轉換器



## 特色與優點

- 高速USB 2.0，USB資料傳輸率可達480 Mbps
- 快速資料傳輸，最高傳輸率達 921.6 Kbps
- 用於 Windows、Linux 及 macOS 的 Real COM/TTY 驅動程式
- Mini-DB9 母接頭轉接線端子模組，簡化接線工作
- LED 指示燈可指示USB 與TxD/RxD 活動傳輸
- 2 kV 光電隔離保護（「-I」型號適用）

## 認證



## 簡介

UPort® 1200/1400/1600 系列的USB 轉串列轉換器是對於沒有串列埠的筆記型電腦或是工作站電腦來說是絕佳配件。對於需要在現場連接不同串列設備或是沒有標準COM 埠或DB9 接頭獨立介面轉換器的工程師來說，UPort® 1200/1400/1600 系列是必要的。

UPort® 1200/1400/1600 系列可將USB 轉換成RS-232/422/485。所有產品皆與傳統串列設備相容，適用於儀器控制與銷售點應用。

## 規格

### USB Interface

Speed	12 Mbps, 480 Mbps
USB Connector	USB Type B
USB Standards	USB 1.1/2.0 compliant

### Serial Interface

No. of Ports	UPort 1200 Series: 2 UPort 1400 Series: 4 UPort 1600-8 Series: 8 UPort 1600-16 Series: 16
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	UPort 1410/1610-8/1610-16: RS-232 UPort 1250/1250I/1450/1650-8/1650-16: 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 10 (x86/x64) Windows 8.1 Windows 8 Windows 7 Windows ME Windows Vista Windows XP Windows 98 Windows 95 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 Windows Server 2008 Windows 2000 Windows NT
Mac Drivers	macOS 11.0 macOS 10.15 macOS 10.14 macOS 10.13 macOS 10.12
Linux Drivers	Linux kernel 5.x, Linux kernel 4.x, Linux kernel 3.x, Linux kernel 2.6.x, Linux kernel 2.4.x

## Power Parameters

Input Voltage	UPort 1250/1410/1450: 5 VDC <sup>1</sup> UPort 1250/1400/1600-8 Series: 12 to 48 VDC UPort 1600-16 Series: 100 to 240 VAC
Input Current	UPort 1250: 360 mA @ 5 VDC UPort 1250I: 200 mA @ 12 VDC UPort 1410/1450: 260 mA @ 12 VDC UPort 1450I: 360 mA @ 12 VDC UPort 1610-8/1650-8: 580 mA @ 12 VDC UPort 1600-16 Series: 220 mA @ 100 VAC

## Physical Characteristics

Housing	Metal
Dimensions	UPort 1250/1250I: 77 x 26 x 111 mm (3.03 x 1.02 x 4.37 in) UPort 1410/1450/1450I: 204 x 30 x 125 mm (8.03 x 1.18 x 4.92 in) UPort 1610-8/1650-8: 204 x 44 x 125 mm (8.03 x 1.73 x 4.92 in) UPort 1610-16/1650-16: 440 x 45.5 x 198.1 mm (17.32 x 1.79 x 7.80 in)
Weight	UPort 1250/1250I: 180 g (0.40 lb) UPort 1410/1450/1450I: 720 g (1.59 lb) UPort 1610-8/1650-8: 835 g (1.84 lb) UPort 1610-16/1650-16: 2,475 g (5.45 lb)

1. UPort 1410/1450 系列：5 V 適用於USB 連接埠電力，12 V 適用於外部電源轉接器

## Environmental Limits

Storage Temperature (package included)	-20 to 75°C (-4 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Operating Temperature	UPort 1200 Models: 0 to 60°C (32 to 140°F) UPort 1400//1600-8/1600-16 Models: 0 to 55°C (32 to 131°F)

## 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 IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m IEC 61000-4-8 PFMF
Safety	UPort 1200 / 1600-16 models : UL 60950-1 UPort 1400 / 1600-8 models : UL/IEC 62368-1

## Declaration

Green Product	RoHS, CRoHS, WEEE
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## MTBF

Time	UPort 1250/1250I: 563,179 hrs UPort 1410: 394,441 hrs UPort 1450/1450I: 546,770 hrs UPort 1610-8: 208,413 hrs UPort 1650-8: 186,567 hrs UPort 1610-16: 138,704 hrs UPort 1650-16: 120,001 hrs
Standards	UPort 1250/1250I/1410/1450/1450I: Telcordia (Bellcore) Standard UPort 1610-8/1650-8/1610-16/1650-16: MIL-HDBK-217F

## Warranty

Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>

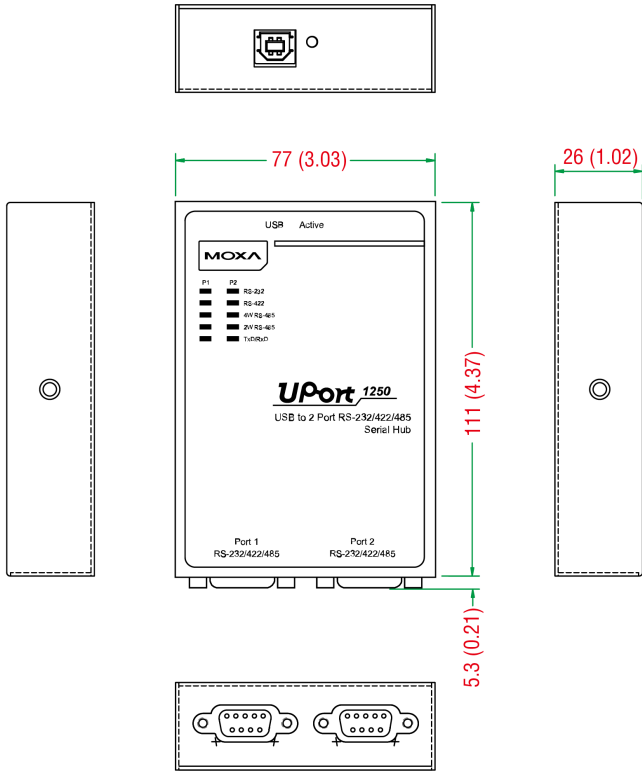
## Package Contents

Device	1 x UPort 1200/1400/1600 Series USB-to-serial converter
Cable	1 x USB type A male to USB type B male
Connectors	1 x Mini DB9F-to-TB (UPort 1250/1450/1650 Series)
Power Supply	1 x power adapter, universal (UPort 1250I/1450/1450I/1600-8) 1 x power cord (UPort 1600-16)
Installation Kit	1 x rack-mounting ear (UPort 1600-16 Series)
Documentation	1 x quick installation guide 1 x warranty card

# 尺寸

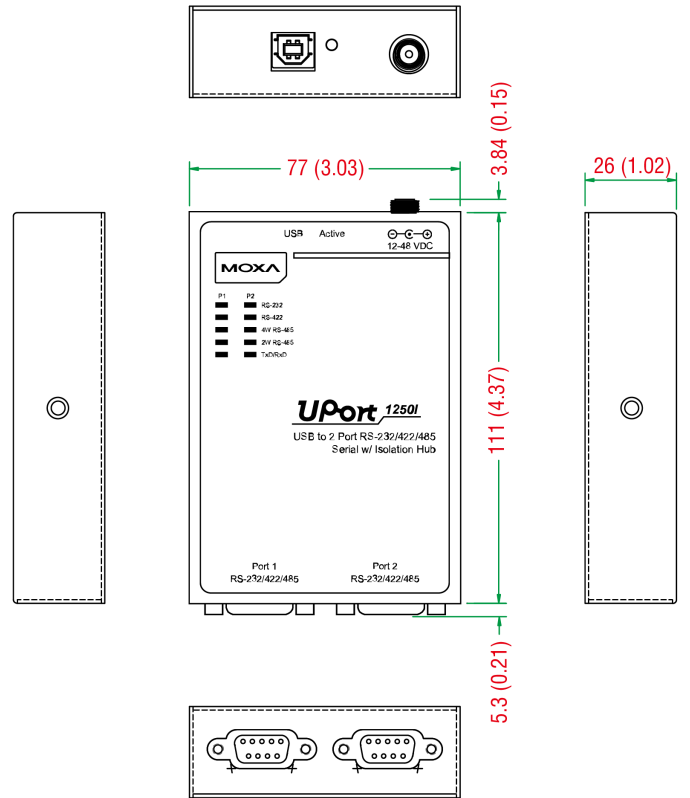
## UPort 1250

單位：公釐 (英吋)



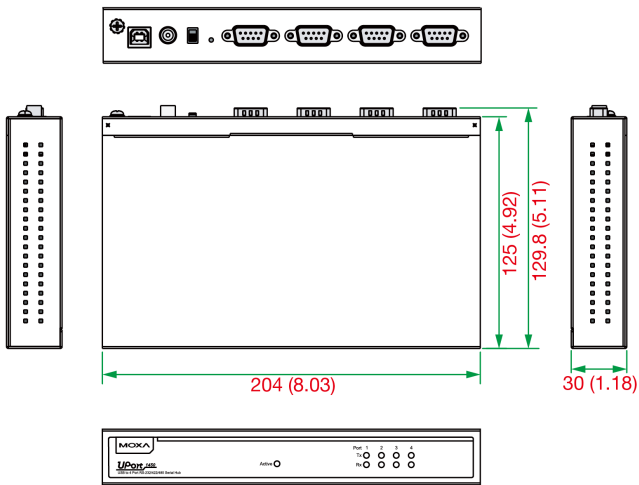
## UPort 1250I

單位：公釐 (英吋)



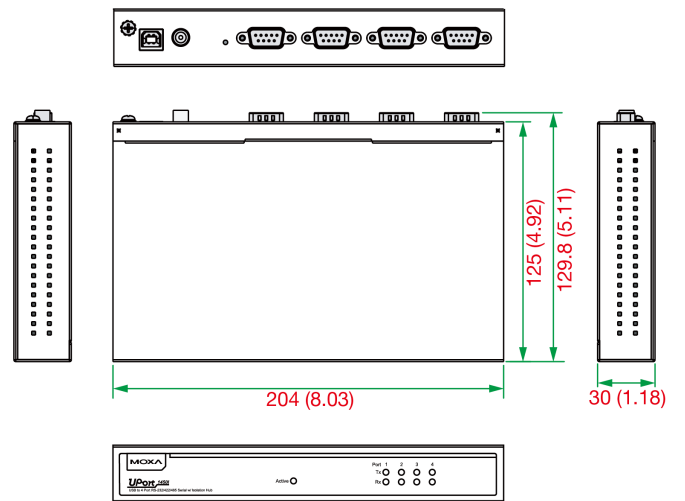
## UPort 1410/1450

單位：公釐 (英吋)



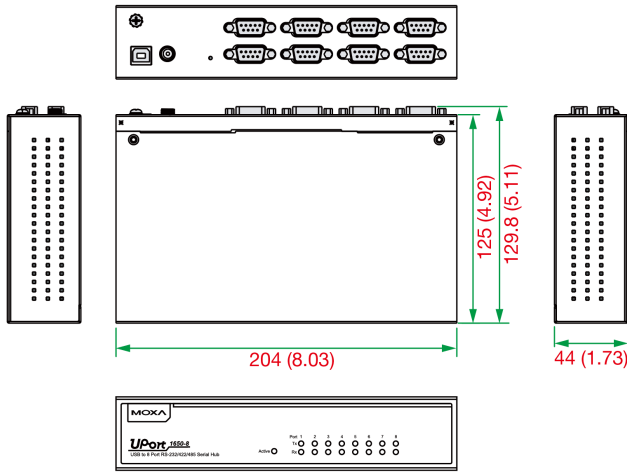
## UPort 1450I

單位：公釐 (英吋)



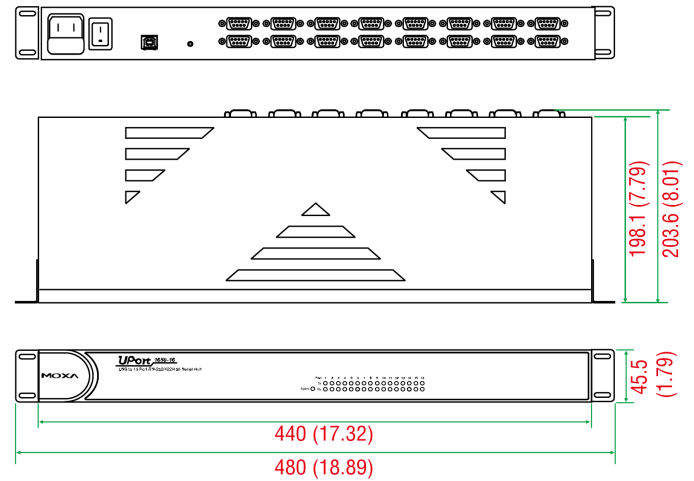
## UPort 1610-8/1650-8

單位：公釐 (英吋)



## UPort 1610-16/1650-16

單位：公釐 (英吋)



## 訂購資訊

Model Name	USB Interface	Serial Standards	No. of Serial Ports	Isolation	Housing Material	Operating Temp.
UPort 1250	USB 2.0	RS-232/422/485	2	-	Metal	0 to 55°C
UPort 1250I	USB 2.0	RS-232/422/485	2	2 kV	Metal	0 to 55°C
UPort 1410	USB 2.0	RS-232	4	-	Metal	0 to 55°C
UPort 1450	USB 2.0	RS-232/422/485	4	-	Metal	0 to 55°C
UPort 1450I	USB 2.0	RS-232/422/485	4	2 kV	Metal	0 to 55°C
UPort 1610-8	USB 2.0	RS-232	8	-	Metal	0 to 55°C
UPort 1650-8	USB 2.0	RS-232/422/485	8	-	Metal	0 to 55°C
UPort 1610-16	USB 2.0	RS-232	16	-	Metal	0 to 55°C
UPort 1650-16	USB 2.0	RS-232/422/485	16	-	Metal	0 to 55°C

## 配件 (選購)

### Cables

CBL-USBA/B-100	USB Type A to USB Type B cable, 1 m
CN20070	10-pin RJ45 to DB9 female serial cable
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

### Connectors

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

### Mounting Kits

DK-UP1200	DIN rail (25x48.3 mm) with 2 screws (FMS M3X6)  Applicable Models: UPort 1250 UPort 1250I
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DK-UP1400	DIN-rail/wall-mounting kit, 2 plates, 6 screws, and 2 DIN-rail plates, 4 screws  Applicable Models: UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
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### DIN-Rail Mounting Kits

DK-UP-14168	DIN-rail kit with 2 plates (89 x 19 mm), 6 screws (FMS M3 x 5 mm) for the UPort 1400 (V1.5.0 and after) and 1600-8 (V1.4.0 and after) models  Applicable Models: UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
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### Wall-Mounting Kits

WK-35-02	Wall-mounting kit with 2 plates (35 x 24 x 1.2 mm) and 6 screws  Applicable Models: UPort 1250 UPort 1250I
WK-35-01	Wall-mounting kit with 2 plates (35 x 44 x 2.5 mm) and 6 screws  Applicable Models: UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
WK-UP-14168	Wall-mounting kit with 2 plates (35 x 44 mm), 6 screws (FMS M3 x 4 mm) for the UPort 1400 and 1600-8 models  Applicable Models: UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8

### Rack-Mounting Kits

WK-45-01	Rack-mounting kit, 2 L-shaped plates, 6 screws, 45 x 57 x 2.5 mm  Applicable Models: UPort 1610-16 UPort 1650-16
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### Power Adapters

PWR-12150-WP-S4	PWR-12150-WP-S4  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
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### Power Cords

PWC-C13EU-3B-183	Power cord with Continental Europe (EU) plug, 1.83 m  Applicable Models: UPort 1610-16 UPort 1650-16
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PWC-C13CN-3B-183	Power cord with three-prong China (CN) plug, 1.83 m  Applicable Models: UPort 1610-16 UPort 1650-16
PWC-C13JP-3B-183	Power cord with Japan (JP) plug, 7A/125V, 1.83 m  Applicable Models: UPort 1610-16 UPort 1650-16
PWC-C13US-3B-183	Power cord with United States (US) plug, 1.83 m  Applicable Models: UPort 1610-16 UPort 1650-16
PWC-C13UK-3B-183	Power cord with United Kingdom (UK) plug, 1.83 m  Applicable Models: UPort 1610-16 UPort 1650-16
PWC-C13AU-3B-183	Power cord with Australian (AU) plug, 1.83 m  Applicable Models: UPort 1610-16 UPort 1650-16
PWC-C7EU-2B-183	Power cord with Continental Europe (EU) plug, 2.5A/250V, 1.83 m  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
PWC-C7CN-2B-183	Power cord with three-prong China (CN) plug, 2.5A/250V, 1.83 m  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
PWC-C7JP-2B-183	Power cord for desktop-type power adapters with Japan (JP) plug, 7A/125V, 1.83 m  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
PWC-C7US-2B-183	Power cord with United States (US) plug, 10A/125V, 1.83 m  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8

PWC-C7UK-2B-183	Power cord with United Kingdom (UK) plug, 2.5A/250V, 1.83 m  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8
PWC-C7AU-2B-183	Power cord with Australian (AU) plug, 2.5A/250V, 1.83 m  Applicable Models: UPort 1250 UPort 1250I UPort 1410 UPort 1450 UPort 1450I UPort 1610-8 UPort 1650-8

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