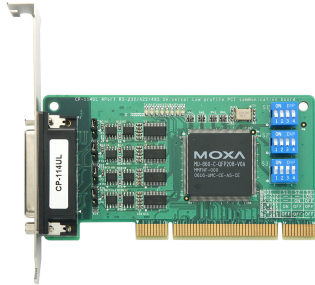


# CP-114UL 系列

4埠 RS-232/422/485 PCI Express 串列通信多埠卡，可選配 2 KV 光電隔離



## 特色與優點

- 高於700 Kbps 的資料傳輸速度，提供最佳效能
- 128-byte FIFO 及晶片硬體、軟體流量控制
- 與Universal PCI 相容，可使用在3.3/5V 的PCI 和PCI-X 插槽
- 傳輸速率高達921.6 Kbps
- 支援多種作業系統的驅動程式，包括Windows 和Linux
- 內建LED 指示燈和管理軟體，可輕鬆維護
- 提供寬溫型號，可運作於-40 至85°C 的環境

## 認證



## 簡介

Moxa 的CP-114UL系列串列多埠卡，為工業自動化系統整合商所設計，適合在長距離、多點、以電腦為主的資料擷取應用。單晶片的自動資料導向控制 (Automatic Data Direction Control) 可提供更精確的RS-485 通訊，精準控制停用或啟用驅動程式的時間。以Moxa Turbo Serial Engine™ 晶片為動力，CP-114UL卡具備單晶片ADDC®，讓RS-485 就像RS-232 一般易於使用。在RS-485 模式下，串列埠可在1.2 公里的範圍內連接多達31 個鏈接式RS-485 設備。針對長距離RS-485 通訊並提供2 KV 光電隔離保護，以防止設備損壞。

## 支援主要的Windows 和Linux/Unix 作業系統驅動程式

Moxa 持續致力於開發以支援更多的作業系統，CP-114UL卡也不例外。Moxa 的所有板卡都提供可靠的Windows 和Linux/Unix 驅動程式；另外也提供像是WEPOS 系統的驅動程式，以利嵌入式整合。

## 規格

### Serial Interface

Comm. Controller	MU860 (16C550C compatible)
Bus	32-bit Universal PCI
Connector	DB44 female
FIFO	128 bytes
Max. No. of Boards per PC	8
No. of Ports	4
Serial Standards	RS-232, RS-422, RS-485
Baudrate	50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Flow Control	None, RTS/CTS, XON/XOFF

Parity	None, Even, Odd, Space, Mark
Isolation	CP-114UL-I Series: 2 kV
<b>Serial Signals</b>	
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
<b>Serial Software Features</b>	
Windows Drivers	DOS, Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2008 R2/2012/2012 R2/2016/2019 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded
Linux Drivers	Linux kernel 2.4.x, Linux kernel 2.6.x, Linux kernel 3.x, Linux kernel 4.x, Linux kernel 5.x
UNIX Drivers	QNX 6, SCO OpenServer, UnixWare 7, Solaris 10, FreeBSD
<b>Power Parameters</b>	
Input Current	CP-114UL Series: 320 mA @ 5 VDC CP-114UL-I Series: 465 mA @ 5 VDC
<b>Physical Characteristics</b>	
Dimensions	CP-114UL Series: 64.4 x 120 mm (2.53 x 4.72 in) CP-114UL-I Series: 64.4 x 130 mm (2.53 x 5.12 in)
<b>LED Interface</b>	
LED Indicators	Built-in Tx, Rx LEDs for each port
<b>Environmental Limits</b>	
Operating Temperature	Standard Models: 0 to 55°C (32 to 131°F) Wide Temp. Models: -40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
<b>Standards and Certifications</b>	
EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class B
EMS	All models: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m  CP-114UL-I Series: 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; Signal: 3 V/m IEC 61000-4-8
International Approval	CP-114UL-DB9M: KC
<b>Declaration</b>	
Green Product	RoHS, CRoHS, WEEE

## MTBF

Time	114,223 hrs
Standards	Telcordia SR332

## Warranty

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

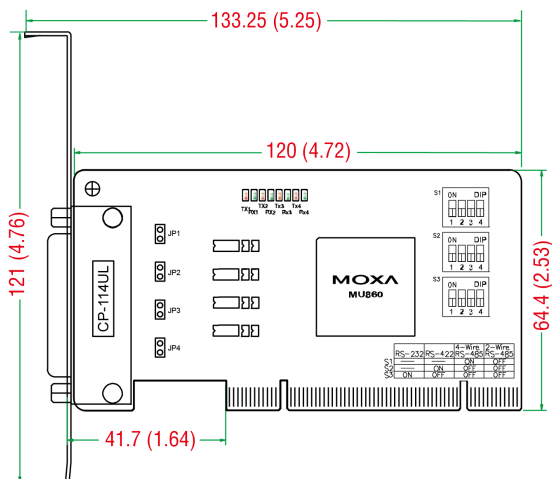
## Package Contents

Device	1 x CP-114UL Series serial board
Cable	1 x M44 to 4 x DB9-M cable, 50 cm (-DB9M models) 1 x M44 to 4 x DB25-M cable, 50 cm (-DB25M models)
Documentation	1 x quick installation guide 1 x substance disclosure table 1 x warranty card

## 尺寸

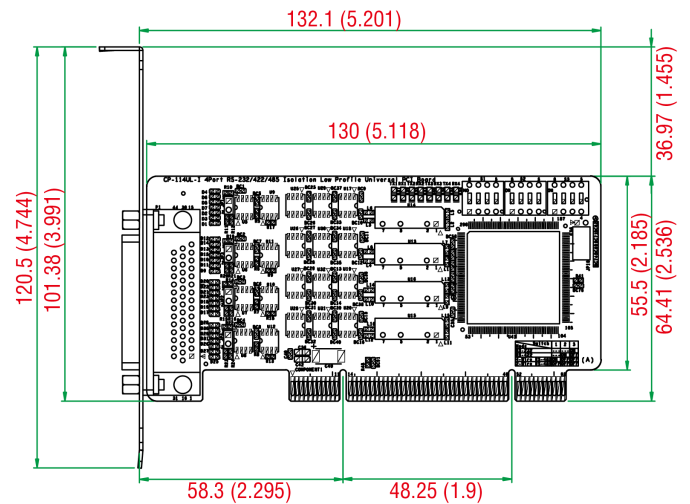
### CP-114UL

單位：公釐 (英吋)



### CP-114UL-I

單位：公釐 (英吋)



## 訂購資訊

Model Name	Serial Bus	No. of Serial Ports	Serial Isolation Protection	Operating Temp.	Included Cable
CP-114UL w/o Cable	Universal PCI	4	-	0 to 55°C	-
CP-114UL-T	Universal PCI	4	-	-40 to 85°C	-
CP-114UL-DB9M	Universal PCI	4	-	0 to 55°C	CBL-M44M9x4-50
CP-114UL-DB25M	Universal PCI	4	-	0 to 55°C	CBL-M44M25x4-50
CP-114UL-I	Universal PCI	4	2 kV	0 to 55°C	-
CP-114UL-I-DB9M	Universal PCI	4	2 kV	0 to 55°C	CBL-M44M9x4-50
CP-114UL-I-DB25M	Universal PCI	4	2 kV	0 to 55°C	CBL-M44M25x4-50

## 配件 (選購)

### Cables

CBL-M44M9x4-50	DB44 male to DB9 male serial cable, 50 cm
CBL-M44M25x4-50	M44 to 4 x DB25 male serial cable, 50 cm
CBL-F9M9-150	DB9 female to DB9 male serial cable, 1.5 m
CBL-F9M9-20	DB9 female to DB9 male serial cable, 20 cm

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