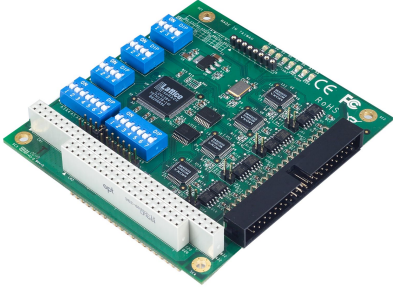


# CA-114 系列

## 4 埠 RS-232/422/485 PC/104 模組



### 特色與優點

- 快速資料傳輸，最高傳輸率達 921.6 Kbps
- 晶片內建軟體流量控制
- 可利用 Jumper 和 DIP 開關來選取 IRQ 和 I/O 設定
- 內建 Tx 和 Rx LED 顯示燈，可監看每個串列埠的狀態
- 支援 Windows CE 5.0 和 Windows XP Embedded 作業系統
- 提供寬溫版本，適合 -40 至 85°C 的作業環境

### 認證



### 簡介

CA-114 PC/104 模組具備 4 個 RS-232/422//485 連接埠，為可靠、高效能的多埠串列通訊解決方案，能夠與支援 PC/104 擴充介面的 PC/104 CPU 板搭配使用。並可選購 DB9 和 DB25 連接線來連接串列裝置，CA-104 支援眾多作業系統，更使其成為多種應用的理想模組。

### 規格

#### Serial Interface

Comm. Controller	16C550C or compatible x 4
Bus	PC/104 bus
Connector	40-pin box header
DIP Switches	I/O base address, Interrupt vector, Serial interface
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12, 15 (shared for all ports)
FIFO	64 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
Parity	None, Even, Odd, Space, Mark
Flow Control	None, RTS/CTS, XON/XOFF

## 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	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

## Power Parameters

Input Current	305 mA @ 5 VDC
Input Voltage	5 VDC

## Physical Characteristics

Dimensions	90 x 96 mm (3.54 x 3.78 in)
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## LED Interface

LED Indicators	Built-in Tx, Rx LEDs for each port
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## Environmental Limits

Operating Temperature	CA-114: 0 to 55°C (32 to 131°F) CA-114-T: -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)

## Standards and Certifications

EMC	EN 55032/24
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: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 0.5 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 PFMF
Environmental Testing	IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-3 IEC 60068-2-14
Vibration	IEC 60068-2-6

## Declaration

Green Product	RoHS, CRoHS, WEEE
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## MTBF

Time	630,997 hrs
Standards	Telcordia (Bellcore), GB

## 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 CA-114 Series PC/104 module
Documentation	1 x quick installation guide 1 x warranty card

## 訂購資訊

Model Name	Serial Bus	Serial Standards	No. of Serial Ports	Operating Temp.
CA-114	PC/104	RS-232/422/485	4	0 to 55°C
CA-114-T	PC/104	RS-232/422/485	4	-40 to 85°C

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