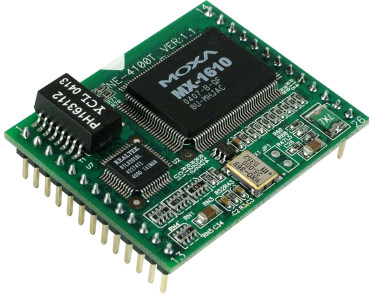


NE-4100 系列

10/100 Mbps 內嵌式串列裝置伺服器



特色與優點

- 10/100 Mbps 以太網路介面
- 串口傳輸速率高達 230.4 kbps
- 可選操作模式：Real COM、TCP Server、TCP Client 和 UDP
- 支持 DHCP、BootP、靜態 IP 和 ARP
- 通過 SNMP 和 Email 發送事件警告和通知
- 信用卡一半大小 - 僅 57 × 40 mm
- 1.5 W 超低功耗，支持 +5 V 單電源輸入

認證



簡介

Moxa NE-4100 嵌入式設備伺服器專為設備製商而設計，可將複雜的聯網功能輕鬆集成到串口設備上。Moxa 的嵌入式設備伺服器可立即將任何配有標準串口的設備轉成為乙太網路設備。NE-4100 嵌入式設備伺服器支持 10/100 Mbps 乙太網路、開機即用的 TCP Server、TCP Client 和 UDP 操作模式。此外，還提供 Real COM 驅動程式以相容舊版本的軟體。

事件捕獲與通知的 SNMP 和電子郵件警示

可以將 NE-4100 內嵌裝置伺服器設定為在下列情況下傳送 SNMP 陷阱或電子郵件：

- 冷/暖開機
- 密碼驗證失敗
- DSR/DCD 線路訊號變更
- IP 位址變更
- 密碼變更

規格

Platform

CPU	16-bit MCU
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Memory

Flash	2 MB
SDRAM	1 MB

Input/Output Interface

Configurable DIO Channels (by software)	4
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Ethernet Interface

10/100BaseT(X) Ports, Auto MDI/MDI-X	NE-4120S/4120A: 5-pin pin header NE-4100T: 26-pin dual-in-line NE-4110S/4110A: 8-pin RJ45
Magnetic Isolation Protection	1.5 kV (built-in)
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE 802.3x for flow control

Ethernet Software Features

Configuration Options	Web Console (HTTP), Windows Utility, Telnet Console, Serial Console
Management	ARP, Device Search Utility (DSU), DHCP Client, HTTP, IPv4, SMTP, SNMPv1/v2c, TCP/IP, Telnet, UDP, Web Console, ICMP
Windows Real COM Drivers	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 Real TTY Drivers	Kernel versions: 2.4.x, 2.6.x, 3.x, 4.x, and 5.x
Fixed TTY Drivers	SCO UNIX, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X
Android API	Android 3.1.x and later

Serial Interface

No. of Ports	2 (1 for serial interface, 1 for TTL console port)
Serial Standards	NE-4110S/4120S Series: RS-232 NE-4110A/4120A Series: RS-422, RS-485 NE-4100T Series: TTL
Operation Modes	Real COM mode, TCP Client mode, TCP Server mode, UDP mode
Baudrate	110 bps to 230.4 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	None, RTS/CTS, DTR/DSR, XON/XOFF

Serial Signals

RS-232	NE-4110S/4120S: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	NE-4110A/4120A: TX+, TX-, RX+, RX-, GND
RS-485-4w	NE-4110A/4120A: TX+, TX-, RX+, RX-, GND
RS-485-2w	NE-4110A/4120A: Data+, Data-, GND

Power Parameters

Input Voltage	5 VDC
Power Consumption	290 mA @ 5 VDC

Physical Characteristics

Dimensions	NE-4110/4120: 57 x 40 mm (2.24 x 1.57 in) NE-4100T: 45 x 36 mm (1.77 x 1.42 in)
Weight	NE-4110S/4110A: 40 g (0.09 lb) NE-4120S/4120A/4100T: 20 g (0.04 lb)
Form Factor Type	NE-4110/4110A/4120S/4120A: Ready-to-go pin header modules NE-4100T: Drop-in modules

Environmental Limits

Operating Temperature	Standard Models: 0 to 55°C (32 to 131°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 60°C (-40 to 140°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: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 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 60068-2-3 IEC 60068-2-14

Declaration

Green Product	RoHS, CRoHS, WEEE
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MTBF

Time	NE-4100T: 288,173 hrs NE-4110S: 290,276 hrs NE-4110A/4120S/4120A: 289,573 hrs
Standards	Telcordia SR332

Warranty

Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

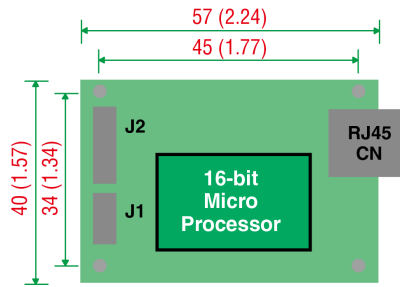
Package Contents

Device	1 x NE-4100 Series device server
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尺寸

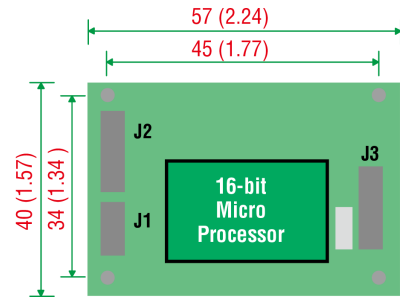
NE-4110S/4110A

單位：公釐（英吋）



NE-4120S/4120A

單位：公釐（英吋）



訂購資訊

Model Name	Ethernet Interface	Serial Standards	Operating Temp.	Form Factor Type
NE-4100T	26-pin dual-in-line	TTL signals	0 to 55°C	Drop-in module
NE-4100T-T	26-pin dual-in-line	TTL signals	-40 to 75°C	Drop-in module
NE-4110S	RJ45	RS-232	0 to 55°C	Ready-to-go pin header module
NE-4110S-T	RJ45	RS-232	-40 to 75°C	Ready-to-go pin header module
NE-4110A	RJ45	RS-422/485	0 to 55°C	Ready-to-go pin header module
NE-4110A-T	RJ45	RS-422/485	-40 to 75°C	Ready-to-go pin header module
NE-4120S	5-pin pin header	RS-232	0 to 55°C	Ready-to-go pin header module
NE-4120S-T	5-pin pin header	RS-232	-40 to 75°C	Ready-to-go pin header module
NE-4120A	5-pin pin header	RS-422/485	0 to 55°C	Ready-to-go pin header module
NE-4120A-T	5-pin pin header	RS-422/485	-40 to 75°C	Ready-to-go pin header module

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