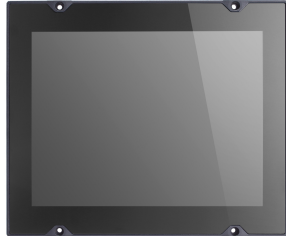


MPC-2101 系列

10 吋工業無風扇觸控面板電腦



特色與優點

- 10 吋面板電腦
- Intel Atom® 處理器 E3845 1.91 GHz
- 1000 尼特日光下可讀 LCD 螢幕
- -40 至 70°C 寬溫設計，無風扇或加熱器
- 符合 EN 50155:2017 標準

認證



EN 50155

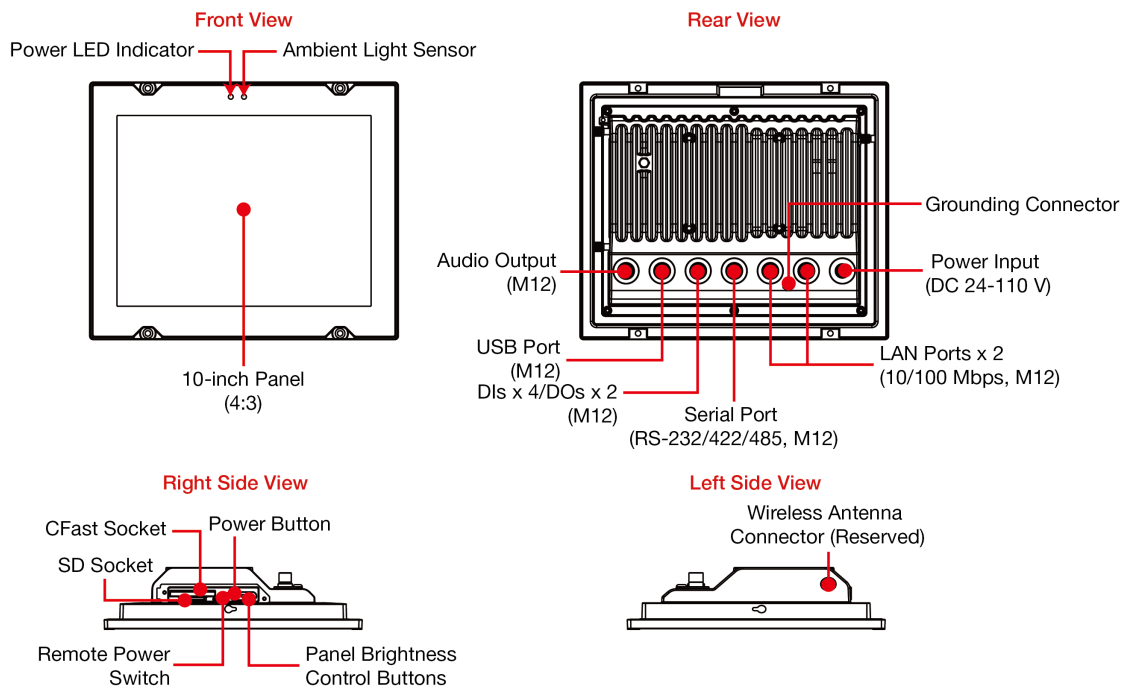


簡介

MPC-2101 為 10 吋面板電腦，內建 E3800 系列 Intel Atom® 處理器，提供在工業環境中所需的穩定、耐用且靈活電腦平台。所有介面均配備符合 IP66 防護等級的 M12 接頭，可提供抗振動與防水連接。MPC-2101 面板電腦配備兩個可透過軟體選擇的 RS-232/422/485 串列埠與兩個乙太網路連接埠，支援多種串列介面以及高速 IT 通訊，並內建網路備援功能。

MPC-2101 系列面板電腦設計支援寬溫設計（-40 至 70°C），並採用無風扇、流線型外殼設計，具備高效散熱效能，使其成為目前最可靠的工業平台之一，非常適合應用於易受振動、惡劣、高溫及戶外環境。MPC-2101 還搭載 1000 尼特的 LCD 面板，提供日光可讀、投射式電容多點觸控功能，帶來卓越的使用者體驗。

外觀



規格

Computer

CPU	Intel Atom® E3845 processor (2M cache, 1.91 GHz)
System Memory Slot	SODIMM DDR3/DDR3L slots x 1
System Memory Pre-installed	4 (8GB Max.) GB DDR3L
Pre-installed OS	MPC-2101-E4-LB-CT-T-W7E/MPC-2101-E4-CT-T-W7E: Windows Embedded Standard 7 (WS7P) 64-bit MPC-2101-E4-LB-CT-T-LX/MPC-2101-E4-CT-T-LX: Linux Debian 9
Storage Slot	CFast slot x 1 SD slots x 1, SD 3.0 interface (SDHC/SDXC)
Storage Pre-installed	MPC-2101-E4-LB-CT-T-LX/W7E, MPC-2101-E4-CT-T-LX/W7E: 32 GB CFast card
Expansion Slots	Mini PCIe
Supported OS	Windows 10 Pro (64-bit) Windows 10 IoT Enterprise LTSC 2019 Value (64-bit) Windows 10 Enterprise IoT LTSC 2016 Windows 7 Pro for Embedded Systems Windows Embedded Standard 7 (64-bit) Linux Debian 9
Graphics Controller	Intel® HD Graphics

Computer Interface

Ethernet Ports	Auto-sensing 10/100 Mbps ports (M12 D-coded 4P connector) x 2
Serial Ports	RS-232/422/485 ports x 1 (M12 A-code 12P connector)
Digital Input	DIs x 4 (M12 A-coded connector)
Digital Output	DOs x 2 (M12 A-coded connector)
USB 2.0	USB 2.0 hosts x 1 (M12 A-coded 5P connector)

LED Indicators

System	Power x 1
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Display

Panel Size	10.4 in (viewable image)
Pixel Pitch (RGB)	0.240 (H) x 0.240 (V) mm
Contrast Ratio	1000:1
Active Display Area	210.4 (H) x 157.8 (V) mm
Aspect Ratio	4:3
Viewing Angles	176°/176°
Max. No. of Colors	16.2M (8-bit/color)
Response Time	5 ms (gray to gray)
Pixels	1024 x 768
Light Intensity (Brightness)	500/1000 nits

Touch Function

Touch Support Points	4 points
Touch Type	Projective Capacitive touchscreen (PCAP)
Glove Support	Yes

Serial Interface

Baudrate	50 bps to 115.2 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS, XON/XOFF

Serial Signals

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w	Data+, Data-, GND
RS-485-4w	Tx+, Tx-, Rx+, Rx-, GND

Power Parameters

Input Voltage	24 to 110 VDC
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Physical Characteristics

Housing	Metal
IP Rating	IP66
Dimensions	256.9 x 214.4 x 58.9 mm (10.11 x 8.44 x 2.32 in)
Weight	2,417 g (5.33 lb)

Environmental Limits

Operating Temperature	-40 to 70°C (-40 to 158°F)
Storage Temperature (package included)	-40 to 70°C (-40 to 158°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN55032/35
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Mechanical Protection Rating	IEC 60529, IP code
Safety	IEC 62368-1, IEC 60950-1, UL 62368-1

Shock	EN 50155 standard
Vibration	EN 50155 standard

Declaration

Green Product	RoHS, CRoHS, WEEE
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Warranty

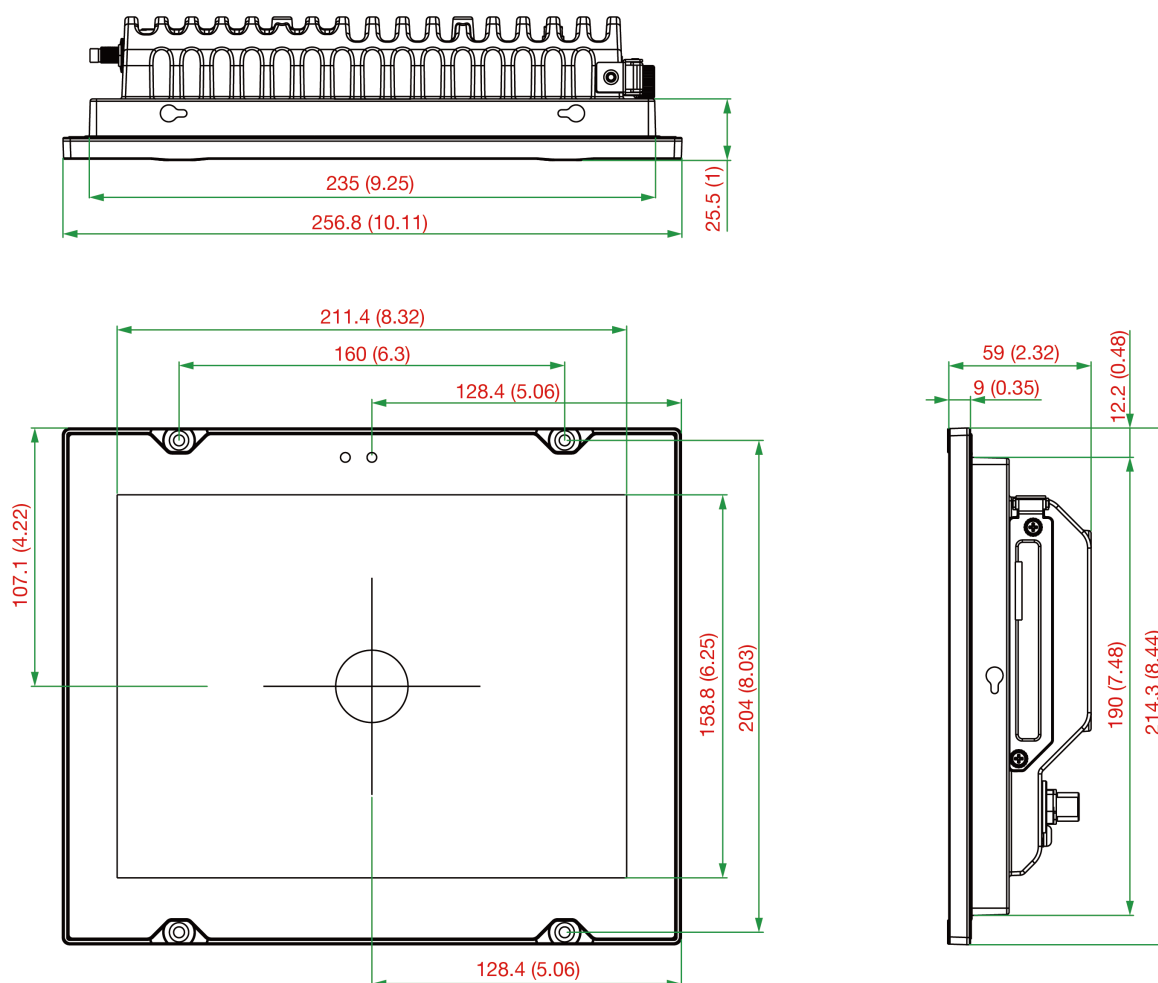
Warranty Period	System: 3 years LCD: 1 year
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x MPC-2101 Series computer
Installation Kit	1 x M12-Phone jack power cable 1 x M12 Type-A USB cable 1 x terminal block, 2-pin (for remote power input) 6 x screws, for panel-mounting
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Panel	CPU	RAM	OS Preinstalled	LAN	Serial	USB 2.0 Port	DI/DO	Power Input	IP Rating	Operating Temp.
MPC-2101-E4-LB-CT-T-W7E	10" (4:3) 500 nits	E3845 Quad core	4 GB	W7E (64-bit)	2 (M12)	1 (M12)	1 (M12)	4/2 (M1-2)	24 to 110 VDC	IP66	-40 to 70°C
MPC-2101-E4-CT-T-W7E	10" (4:3) 1,000 nits	E3845 Quad core	4 GB	W7E (64-bit)	2 (M12)	1 (M12)	1 (M12)	4/2 (M1-2)	24 to 110 VDC	IP66	-40 to 70°C
MPC-2101-E4-LB-CT-T-LX	10" (4:3) 500 nits	E3845 Quad core	4 GB	Debian 9	2 (M12)	1 (M12)	1 (M12)	4/2 (M1-2)	24 to 110 VDC	IP66	-40 to 70°C
MPC-2101-E4-CT-T-LX	10" (4:3) 1,000 nits	E3845 Quad core	4 GB	Debian 9	2 (M12)	1 (M12)	1 (M12)	4/2 (M1-2)	24 to 110 VDC	IP66	-40 to 70°C
MPC-2101-E4-LB-CT-T	10" (4:3) 500 nits	E3845 Quad core	4 GB	–	2 (M12)	1 (M12)	1 (M12)	4/2 (M1-2)	24 to 110 VDC	IP66	-40 to 70°C
MPC-2101-E4-CT-T	10" (4:3) 1,000 nits	E3845 Quad core	4 GB	–	2 (M12)	1 (M12)	1 (M12)	4/2 (M1-2)	24 to 110 VDC	IP66	-40 to 70°C

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