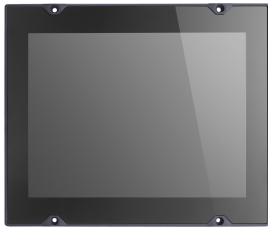


MPC-2101 系列

10 吋工業無風扇面板電腦



特色與優點

- 10 吋面板電腦
- Intel Atom® 處理器 E3845 1.91 GHz
- 日照下可判讀的 1000 nit LCD
- -40 至 70°C 寬溫度設計，無風扇或加熱器
- EN 50155:2017 相容

認證



EN 50155

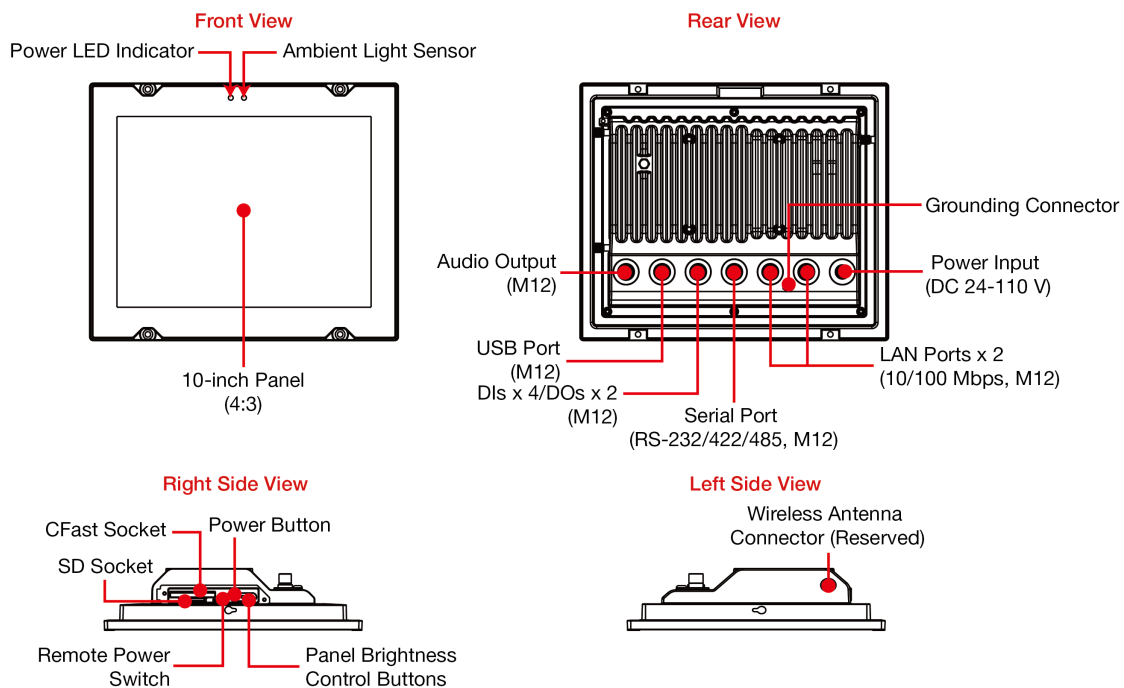


簡介

採用 Intel Atom® 處理器 E3800 系列的 MPC-2101 10 吋面板電腦，為工業環境提供可靠耐用的多功能平台。所有介面均配備 IP66 防護等級 M12 連接器，藉以提供防震和防水的穩定連線。MPC-2101 面板電腦配備兩個可選式軟體的 RS-232/422/485 串列連接埠和兩個乙太網路 LAN 連接埠，支援多種串列介面以及高速 IT 通訊，這些都提供本機網路備援。

MPC-2101 系列面板電腦的設計可耐受 -40 至 70°C 的寬溫度範圍，並採用無風扇、流線型外殼，專為高效散熱而設計，成為適用於易震動、嚴苛、炎熱的戶外環境中，最可靠的工業平台。MPC-2101 也配備 1000-nit LCD 面板，採用日照下可判讀的投射電容式多點觸控螢幕，達到絕佳使用者體驗。

外觀



規格

Computer

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

Computer Interface

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

LED Indicators

System	Power x 1
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Display

Panel Size	10.4-inch 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 cd/m ²

Touch Function

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

Serial Interface

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

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

Dimensions	256.9 x 214.4 x 58.9 mm (10.11 x 8.44 x 2.32 in)
Housing	Metal
IP Rating	IP66
Weight	2,080 g (4.59 lb)

Environmental Limits

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

Standards and Certifications

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

EMC	EN55032/35
Vibration	EN 50155 standard

Declaration

Green Product	RoHS, CRoHS, WEEE
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Warranty

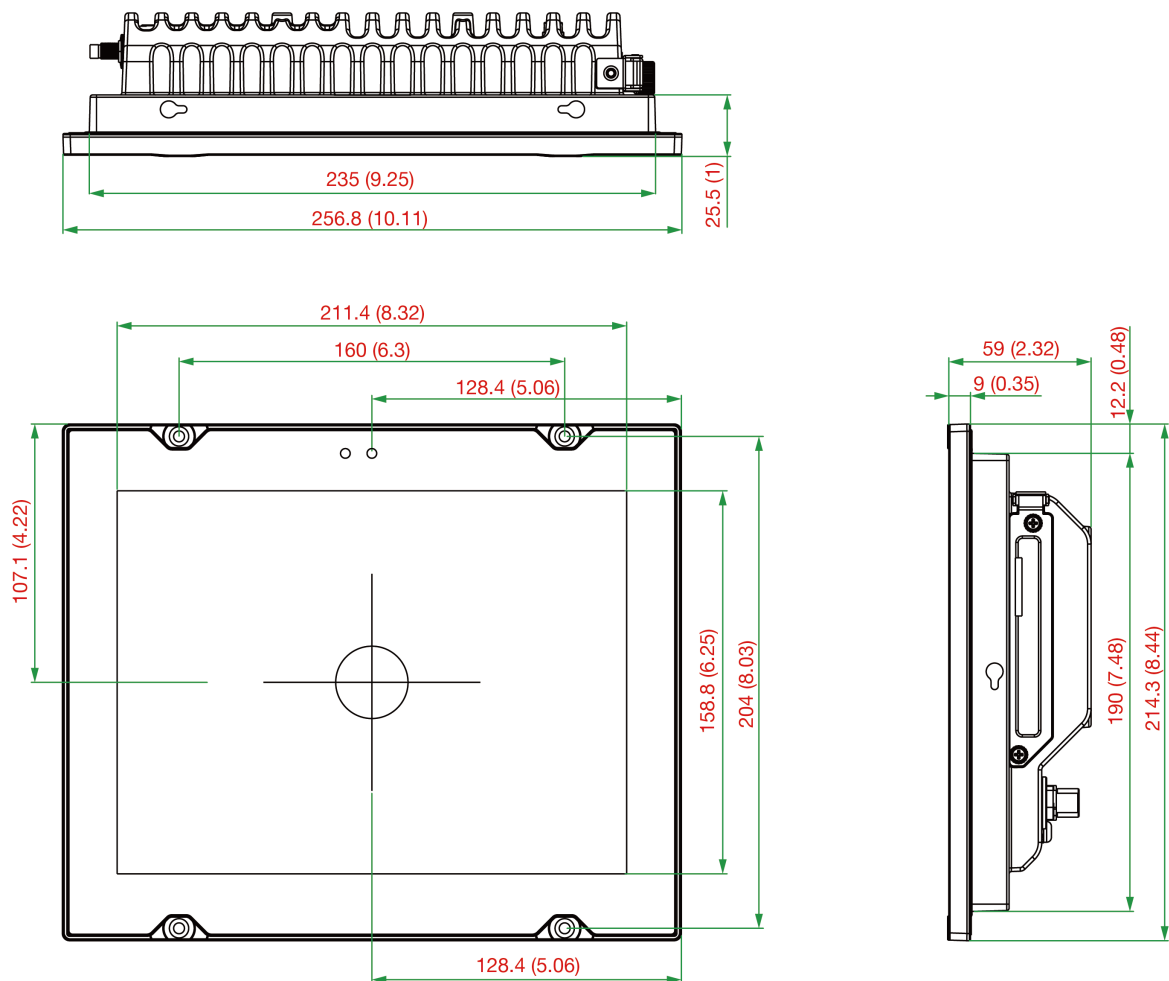
Warranty Period	System: 3 years LCD: 1 year
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x MPC-2101 Series computer
Documentation	1 x quick installation guide 1 x warranty card
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 screw, for panel-mounting

尺寸

Unit: mm (inch)



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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