

MPC-2240 系列

24 吋 ECDIS 色彩校準、無風扇面板電腦



特色與優點

- 24 吋面板電腦
- 針對 ECDIS 標準進行色彩校準 (由 CTOS 提供)
- Intel® Core™ 處理器 : i7 3517UE 1.7 GHz 或 Celeron® 1047UE 1.40 GHz
- SavvyTouch 顯示控制
- 無風扇系統設計
- 內建 NMEA 0183 和三合一軟體可選擇的 RS-232/422/485 介面
- 多個電源供應器 (交流和直流)

認證



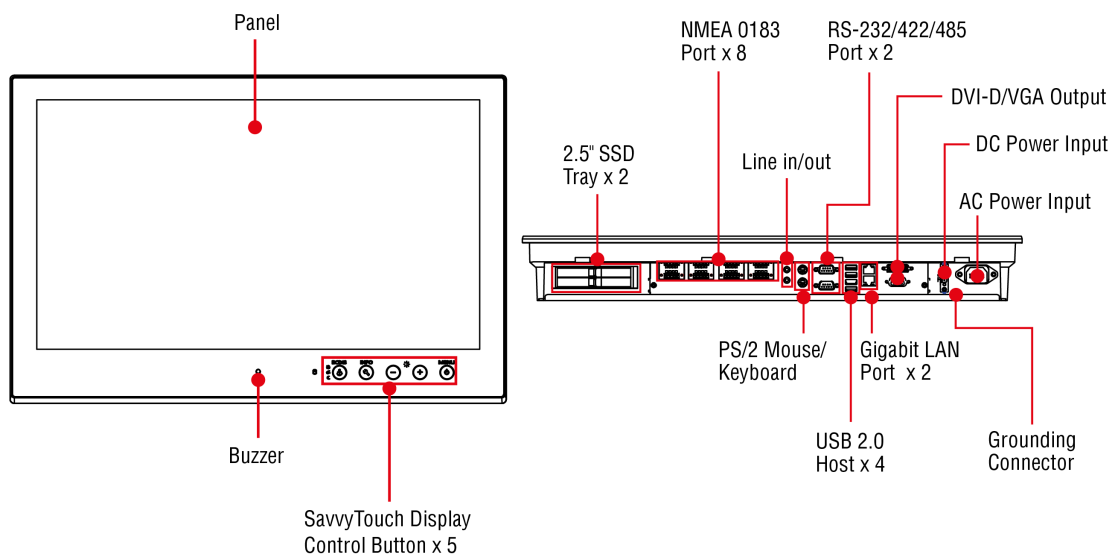
簡介

MPC-2240 系列面板電腦採用 Intel® 處理器 Ivy Bridge Core 或 Celeron 和內建 4 GB 系統記憶體，提供可靠、高效能、用途廣泛的平台，適用於工業海運環境。MPC-2240 面板電腦配備 RS-232/422/485 系列、NMEA 0183 和 Gigabit 乙太網路連接埠，支援多種串列和海運專用介面以及高速 IT 通訊，所有這些都提供本機網路備援。

MPC-2240 系列配備一系列適用於工業環境的標準顯示增強功能 (包括 0 至 100% 全範圍調光、178°/178° 寬視角、選配光學貼合和/或多點觸控螢幕)，以及 Moxa 創新的 SavvyTouch 顯示控制。

MPC-2240 面板電腦符合多項海運工業標準，包括 IEC 60945 4、IEC 61174、IEC 61162、DNV 2.4 和 IACS E10，達到海運作業所需的彈性和耐用性。選配 IP65 防護等級一體式外殼可針對海運環境中的嚴苛條件達到加強保護的效果。MPC-2240 系列提供堅固耐用、通過型式認證、達到高效能且方便使用的面板電腦，相當適合 ECDIS 導航系統和其他海運 IBS 應用。

外觀



規格

Computer

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|-----------------------------|---|
| CPU | MPC-2240X/2240Z: Intel® Celeron® Processor 1047UE (2M Cache, 1.40 GHz) MPC-2247X/2247Z: Intel® Core™ i7-3517UE Processor (4M Cache, up to 2.80 GHz) |
| System Chipset | Mobile Intel® HM65 Express Chipset |
| Graphics Controller | Intel® HD Graphics 520 |
| System Memory Pre-installed | 4 GB DDR3/DDR3L |
| System Memory Slot | SODIMM DDR3/DDR3L slot x 1 |
| Pre-installed OS | OS is not pre-installed |
| Supported OS | Windows 7 Pro for Embedded Systems Windows Embedded Standard 7 (WS7P) 64-bit Windows 10 Pro 64-bit Windows 10 Embedded IoT Ent 2016 LTSB High End EPKEA Windows 10 Embedded IoT Ent 2016 LTSB Value EPKEA |
| Storage Slot | 2.5-inch HDD/SSD slots x 2 |

Computer Interface

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|--------------------|---|
| Ethernet Ports | Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 2 |
| Serial Ports | RS-232/422/485 ports x 2, software selectable (DB9 male) |
| USB 2.0 | USB 2.0 hosts x 4, type-A connectors |
| Audio Input/Output | Line in x 1, Line out x 1, 3.5 mm phone jack |
| PS/2 | Keyboard PS/2 x 1, Mouse PS/2 x 1 |
| Video Output | DVI-D x 1, 29-pin DVI-D connectors (female) VGA x 1, 15-pin D-sub connector (female) |
| NMEA Port | NMEA 0183 ports x 8 (terminal block) |

LED Indicators

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| System | Power x 1 |
| LAN | 2 per port (10/100/1000 Mbps) |

Display

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|------------------------------|---------------------------|
| Active Display Area | 531.36 (H) x 98.89 (V) mm |
| Aspect Ratio | 16:9 |
| Contrast Ratio | 5000:1 |
| Light Intensity (Brightness) | 300 cd/m ² |
| Max. No. of Colors | 16.7M (8-bit/color) |
| Panel Size | 24-inch viewable image |
| Panel Type | MVA |
| Pixel Pitch (RGB) | 0.276 (H) x 0.276 (V) mm |
| Pixels | 1920 x 1080 |

| | |
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| Response Time | 25 ms (gray to gray) |
| Viewing Angles | 178°/178° |
| Touch Function | |
| Touch Type | MPC-2240Z/2247Z: Capacitive Touch (PCAP) MPC-2240X/2247X: None |
| Touch Support Points | MPC-2240Z/2247Z: 4 points |
| Serial Interface | |
| Baudrate | 50 bps to 115.2 kbps |
| Data Bits | 5, 6, 7, 8 |
| Flow Control | RTS/CTS, XON/XOFF, ADDC® (automatic data direction control) for RS-485, RTS Toggle (RS-232 only) |
| Parity | None, Even, Odd, Space, Mark |
| Stop Bits | 1, 1.5, 2 |
| NMEA Interface | Serial Standards: NMEA 0183: RS-422 NMEA 2000: CAN bus (available on request) Baudrate: 4800 bps Data Bits: 8 Handshake: None Optical Isolation Protection: 3 kV Parity: None Serial Standards: NMEA 0183v2 (NMEA 2000 available on request) Stop Bits: 1, 1.5, 2 Voltage Differential: -6 V to +6 V (maximal differential level) |
| 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 | 100 to 240 VAC, 18 to 34 VDC |
| Physical Characteristics | |
| Housing | Metal |
| IP Rating | IP54, front IP20, rear |
| Dimensions | 595 x 393 x 75 mm (23.44 x 15.48 x 2.95 in) |
| Weight | 12,400 g (27.34 lb) |
| Environmental Limits | |
| Operating Temperature | -15 to 55°C (5 to 131°F) |
| Storage Temperature (package included) | -20 to 60°C (-4 to 140°F) |
| Ambient Relative Humidity | 5 to 95% (non-condensing) |

Standards and Certifications

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|-----------------------|--|
| 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: 10 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V |
| Environmental Testing | IEC 60068-2-1, DNVGL-CG-0339 IEC 60068-2-2, DNVGL-CG-0339 IEC 60068-2-2, IEC 60945 IEC 60068-2-30, IEC 60945 |
| Maritime | ABS, CCS, DNV-GL |
| Safety | EN 60950-1, IEC 60950-1, UL 60950-1 |
| Vibration | IEC 60068-2-6, IEC 60945, IEC 60068-2-64, DNVGL-CG-0339 |

Warranty

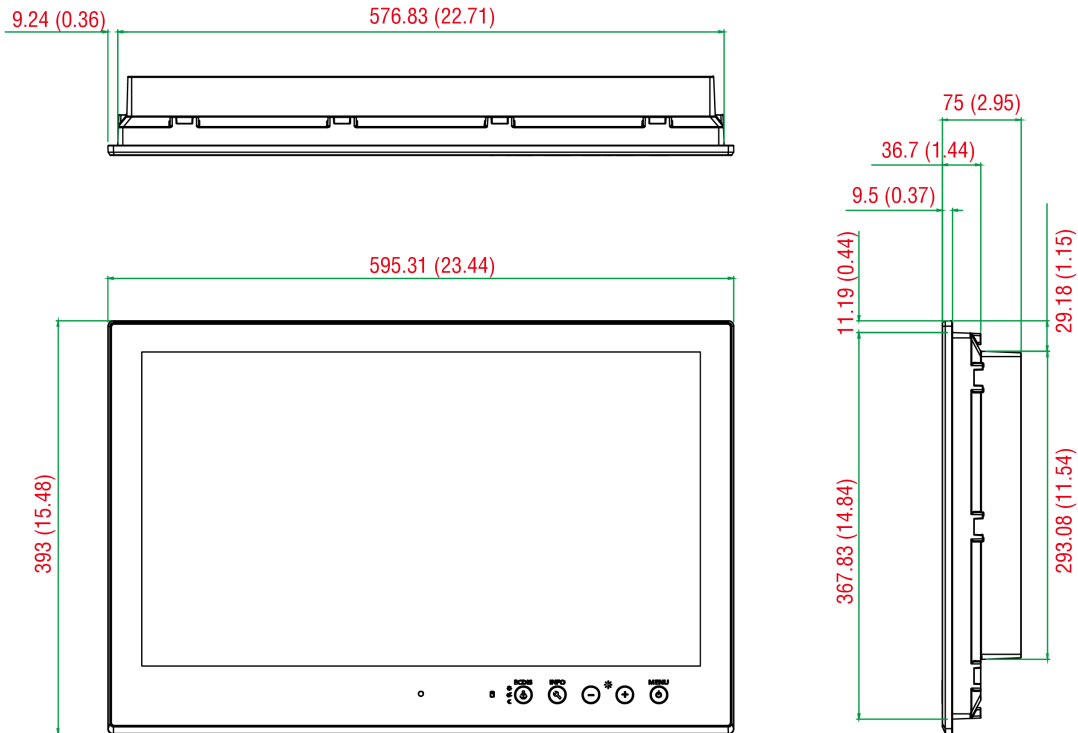
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|-----------------|--|
| Warranty Period | LCD: 1 year System: 3 years |
| Details | See www.moxa.com/tw/warranty |

Package Contents

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|------------------|---|
| Device | 1 x MPC-2240 Series computer |
| Installation Kit | 2 x storage key 1 x terminal block, 2-pin 4 x terminal block, 5-pin 1 x panel-mounting kit |
| Documentation | 1 x document and software CD 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 | Touchscreen | LAN | Serial | NMEA 0183 | Video Outputs | Power Input | IP Rating | Operating Temp. |
|------------|---------------------|----------------|------|-----------------|-------------|-----|--------|-----------|----------------------|--------------------------|------------------------------|-----------------|
| MPC-2240Z | 24" (16:9) 300 nits | Celeron 1047UE | 4 GB | - | Capacitive | 2 | 2 | 8 | 1 x VGA 1 x DVI-D | 12/24 VDC 100-240 VAC | IP54 (front), IP20 (rear) | -15 to 55° C |
| MPC-2247Z | 24" (16:9) 300 nits | i7-3517UE | 4 GB | - | Capacitive | 2 | 2 | 8 | 1 x VGA 1 x DVI-D | 12/24 VDC 100-240 VAC | IP54 (front), IP20 (rear) | -15 to 55° C |
| MPC-2240X | 24" (16:9) 300 nits | Celeron 1047UE | 4 GB | - | - | 2 | 2 | 8 | 1 x VGA 1 x DVI-D | 12/24 VDC 100-240 VAC | IP54 (front), IP20 (rear) | -15 to 55° C |
| MPC-2247X | 24" (16:9) 300 nits | i7-3517UE | 4 GB | - | - | 2 | 2 | 8 | 1 x VGA 1 x DVI-D | 12/24 VDC 100-240 VAC | IP54 (front), IP20 (rear) | -15 to 55° C |

配件 (選購)

Desktop Mounting Kits

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|-------------------------------|--|
| MPC-MD-2-24-26-DMTK w/ hinge | Desktop-mounting kit for 24/26-inch panels |
| MPC-MD-2-24-26-DMTK w/o hinge | Desktop-mounting kit for 24/26-inch panels, (no hinge) |

Panel Mounting Kits

| | |
|------------------|--|
| MPC-MD-2-24-PMTK | 24-inch panel-mounting kit, 14 mounting clamps |
| MPC-MD-2-24-RMTK | Rubber gasket for 24-inch panels |

VESA Mounting Kits

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|---------------------|---|
| MPC-MD-2-24-VESAMTK | VESA kit for 24-inch panels (can be used with 200 x 100 mm or 280 x 150 mm VESA mounts) |
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