

Item no.: 387880

MC-1121-E4-T - x86 embedded computer with Intel Atom Quad-Core E3845 processor, 4 GB RAM, 1 VGA

from **1.251,40 EUR**

Item no.: 387880
shipping weight: 1.30 kg
Manufacturer: MOXA



Product Description

IntroductionThe MC-1100 Series fanless x86 DIN rail mount embedded computers use the Intel Atom® E3800 Series processor, feature a highly reliable I/O design to maximise connectivity and support wireless modules (Wi-Fi/3G/LTE), making them suitable for a wide range of communication applications. The wide operating temperature range (-40 to 70 °C) and compliance with safety, EMI and EMS regulations make the MC-1100 ideal for intelligent computing and communication solutions in critical environments such as marine, oil and gas field monitoring and transportation. The MC-1100 series supports the Moxa Proactive Monitoring tool for device I/O status monitoring and alerts, system temperature monitoring and alerts, and system performance management. Accurate monitoring of system status facilitates troubleshooting and provides the most reliable platform for your applications. The MC-1100 series is Microsoft Azure Certified for IoT. It can use the Microsoft reference configuration and has been tested to work with Microsoft Azure IoT services for industrial IoT applications. For more information on the Azure Certified for IoT programme, please visit: https://catalog.azureiotsuite.com/_newline For a complete list of Moxa's Azure Certified for IoT products, please visit: <https://catalog.azureiotsuite.com/?q=moxaComputerCPU>

CPU: MC-1100-E2-T Series: Intel Atom® Processor E3826 (1M Cache, 1.46 GHz)- MC-1100-E4-T Series: Intel Atom® Processor E3845 (2M Cache, 1.91 GHz)- **Graphics Controller:** Intel® HD Graphics- **System memory pre-installed:** 4 GB DDR3L- **System memory slot:** SODIMM DDR3/DDR3L slot x 1 **Supported operating systems:**- Linux Debian 8 (Linux kernel v4.1)- Windows Embedded Standard 7 (WS7E) 64-bit- Windows 10 Embedded IOT Ent 2016 LTSB- **Memory slot:** All models: CFast x 1, MC-1111/1121 series: SD x 1 **Computer interface** Ethernet ports:- MC-1111/1112 series: Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 2- MC-1121/1122 series: Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 4 **Serial ports:** MC-1121/1112 series: RS-232/422/485 ports x 2, software selectable (DB9 connector)- MC-1122 series: RS-232/422/485 ports x 4, software selectable (DB9 connector)- **USB 2.0:** USB 2.0 hosts x 2, type A connectors- **Digital inputs:** MC-1121/1122 series: DIs x 4- **Digital output:** MC-1121/1122: DOs x 4- **Expansion slots:** mPCIe slot x 1- **TPM:** TPM v1.2 (MC-1122-E4-TPM-T only) **Video output:**- MC-1111/1121 series: VGA x 1, DisplayPort x 1- All models: VGA x 1, 15-pin D-Sub connector (female)- **Number of SIMs:** MC-1121/1122 series: 1- **SIM format:** MC-1121/1122 series: MiniLED indicators- **System:** Power x 1, Memory x 1- **LAN:** 2 per port (10/100/1000 Mbps)- **Serial:** 2 per port (Tx, Rx) **Serial interface:** Baud rate: 50 bps to 115.2 kbps- **Connection:** DB9 connector- **Data bits:** 5, 6, 7, 8 **Flow control:**- ADDC® (automatic data direction control) for RS-485- **RTS/CTS, XON/XOFF- Isolation:** N/A- **Parity:** None, Even, Odd, Space, Mark **Power supply parameters:** Input voltage: 11.4 to 36 VDC- **Power connection:** Terminal block (for DC models)- **Power consumption:** 30 W (max.) **Reliability-** Automatic reboot trigger: Built-in WDT **Physical characteristics-** **Housing:** Metal **Dimensions:-** MC-1111/1112 series: 132 x 122 x 68 mm (5.2 x 4.81 x 2.68 inches)- MC-1121/1122 series: 132 x 122 x 87 mm (5.2 x 4.81 x 3.43 inches) **Weight:-** MC-1111/1112 series: 1.022 g (2.25 lb)- MC-1121/1122 Series: 1,340 g (2.95 lb)- **Mounting:** DIN rail mounting, wall mounting (with optional kit) **Environmental conditions-** **Operating temperature:** -40 to 70°C (-40 to 158°F)- **Storage temperature (including packaging):** -45 to 75°C (-49 to 167°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 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m- IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV- IEC 61000-4-8 PFMF- IEC 61000-4-6 CS: 10 V- IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV- IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV- **Hazardous areas:** ATEX Zone 2, Class I Division 2, IECEx Zone 2- **Marine:** DNV-GL, IEC 60945- **Radio frequency:** FCC- **Safety:** UL 60950-1

Specifications

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