Item no.: 387633

UC-2222A-T-US - Arm® Cortex®-A53 dual-core 64-bit 1 GHz industrial computer with 2 Ethernet ports

from **667,58 EUR**

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shipping weight: 0.60 kg
Manufacturer: MOXA

📄 Product Description

The compact fanless arm-based industrial computers from Moxa are wireless-capable and have comprehensive security functions. They are designed for space-critical applications. The computers are specifically designed for long-term operation and come with 10-year support for Moxa Industrial Linux, making them an ideal choice for remote monitoring and data acquisition applications.Arm® Cortex®-A53 dual-core 64-bit 1 GHz industrial computer with 2 Ethernet ports, 2 RS-232/422/485 serial ports, 1 USB 2.0 port, 1 mPCIe expansion slot with LTE Cat. 4 module pre-installed for the US region, 12 to 24 VDC, TPM v2.0 module, Moxa Industrial Linux (Debian 11, Kernel 5.10), -40 to 70°C operating temperatureComputerCPU- Armv8 Cortex-A53 Dual-Core 1GHzDRAM- 2 GB DDR4Pre-installed operating system- Moxa Industrial Linux (Debian 11, Kernel 5.10), 2031 EOL- See www.moxa.com/MILMemory Pre-installed- 16 GB eMMCMemory slot- Micro SD slots x 1Computer interfaceEthernet ports- Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 2Serial ports- RS-232/422/485 ports x 2, software selectable (terminal block)USB 2.0- USB 2.0 hosts x 1, type A connectorsConsole port- RS-232 (TxD, RxD, GND), 4-pin header output (115200, n, 8, 1)Expansion slots- mPCIe slots x 1Number of SIMs- 1SIM format- NanoButtons- Reset buttonTPM- TPM v2.0Ethernet interfaceEthernet ports- Auto-sensing 10/100/1000 Mbps ports (RJ45 connection) x 2Magnetic isolation protection- 1.5 kV (built-in)Serial interfaceBaud rate- 300 bps to 921.6 kbpsData bits- 5, 6, 7, 8Parity- None, Even, Odd, Space, MarkStop bits- 1, 1.5, 2Flow control- RTS/CTS- XON/XOFF- Automatic Data Direction Control (ADDC) for RS-485- RTS Toggle (RS-232 only)Serial signalsRS-232- TxD, RxD, RTS, CTS, GNDRS-422- Tx+, Tx-, Rx+, Rx-, GNDRS-485-2w- Data+, Data-, GNDRS-485-4w- Tx+, Tx-, Rx+, Rx-, GNDMobile radio interfaceMobile radio standards- LTE Cat. 4Band options- LTE Band 2 (1900 MHz) / LTE Band 4 (1700 MHz) / LTE Band 5 (850 MHz) / LTE Band 12 (700 MHz) / Band 13 (700 MHz) / Band 14 (700 MHz) / Band 66 (1700 MHz) / Band 71 (600 MHz)- UMTS/HSPA B5 (850 MHz) / B4 (1700 MHz) / B2 (1900 MHz)- Network operator approvals: Verizon, AT&TGPS interfaceReceiver types- GPS, GLONASS, GalileoAccuracy- Position: 2.0 m @CEP50Acquisition- Hot starts: 1.1 sec- Cold starts: 29.94 secSensitivity- Cold starts: -145 dBm- Tracking: -160 dBmTime Pulse- 250 Hz to 10 MHzLED indicatorsSystem- Power x 1- SW ready (programmable)- USB (programmable) x 1- micro SD slot (programmable) x 1- Serial Port: TX x 2, RX x 2Wireless signal strength- Cellular x 2, programmable- Disconnected: None- Very poor signal: 1 LED (flashing)- Poor signal: 1 LED- Good signal: 2 LEDsPower parametersInput current- 900 mA @ 12 VDC- 450 mA @ 24 VDCInput voltage- 12 to 24 VDCPower consumption- 7.8 W (without external USB device)- 10.5 W (with external USB device)ReliabilityAlert Tools- External RTC (Real Time Clock)Automatic Reboot Trigger- External WDT (Watchdog Timer)Physical CharacteristicsDimensions- 102 x 32 x 128 mm (4.20 x 1.26 x 5.04 in)Weight- 546 g (1.2 lb)Housing- SECC- MetalInstallation- DIN rail mounting- Wall mounting (with optional kit)Environmental conditionsOperating temperature- -40 to 70°C (-40 to 158°F)Storage temperature (including packaging)- -40 to 80°C (-40 to 176°F)Relative ambient humidity- 5 to 95% (non-condensing)Shock- IEC 60068-2-27Vibration- 2 Grms @ IEC 60068-2-64, Random wave, 5-500 Hz, 1 hour per axis (without USB devices connected)Standards and certificationsEMC- EN 55032/35- EN 61000-6-2/-6-4EMI- CISPR 32, FCC Part 15B Class AEMS- 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 61000-4-3 RS: 1.4 GHz to 6 GHz: 3 V/m- IEC 61000-4-4 EFT: Power: 1 kV; Signal: 1 kV- IEC 61000-4-5 L-PE: 1 kV ; L -L: 0.5 kV; Signal: 1 kV- IEC 61000-4-6 CS: 10 V- IEC 61000-4-8 PFMFSafety- EN 62368-1- UL 62368-1International approvals- RCM- KC- BSMIEnvironmentally friendly product- RoHS, CRoHS, WEEEMTBFTime- 865.122 hoursStandards- Telcordia (Bellcore) Standard TR/SR

📄 Specifications