Item no.: 387629

UC-2222A-T - Arm® Cortex®-A53 dual-core 64-bit 1-GHz industrial computer

from **507,39 EUR**

Item no.: 387629
shipping weight: 0.60 kg
Manufacturer: MOXA

Product Description

Moxa's compact fanless arm-based industrial computers are wireless and have comprehensive security functions. They are designed for space-critical applications. The computers are specifically designed for long-term operation and a 10-year support for Moxa Industrial Linux, making them the ideal choice for remote monitoring and data acquisition applications.For more information, visit our Arm Linux IIoT Gateway Solutions website.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, 12 to 24 VDC, TPM v2.0 module, Moxa Industrial Linux (Debian 11, Kernel 5.10) , -40 to 75°C operating temperatureComputerCPU: Armv8 Cortex-A53 Dual-Core 1GHzDRAM: 2 GB DDR4Pre-installed operating system: Moxa Industrial Linux (Debian 11, Kernel 5.10), 2031 EOLSee 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 portsConsole 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 connector) 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/CTSXON/XOFFAutomatic Data Direction Control (ADDC) for RS-485RTS 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-, GNDCellular interfaceCellular standards: LTE Cat. 4GPS interfaceReceiver types: GPS, GLONASS, GalileoAccuracy: position: 2.0 m @CEP50Acquisition: hot starts: 1.1 seconds, cold starts: 29.94 secondsSensitivity: cold starts: -145 dBm, tracking: -160 dBmTime pulse: 250 Hz to 10 MHzLED indicators-System: Power x 1SW ready (programmable)USB (programmable) x 1micro SD slot (programmable) x 1Serial Port: TX x 2, RX x 2-Wireless Signal Strength:Cellular x 2, programmableDisconnected: NoneVery poor signal: 1 LED (flashing)Poor signal: 1 LEDGood signal: 2 LEDsPerformance parameters-Input current: 600 mA @ 12 VDC, 300 mA @ 24 VDC-Input voltage: 12 to 24 VDC-Power consumption: 4.5 W (without external USB device), 7.2 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: SECCMetal: InstallationDIN rail mounting: wall mounting (with optional kit)Environmental conditionsOperating temperature: -40 to 75°C (-40 to 167°F)Storage temperature (including packaging): -40 to 80°C (-40 to 176°F)Ambient Relative Humidity: 5 to 95% (non-condensing)Shock: IEC 60068-2-27Vibration: 2 Grms @ IEC 60068-2-64, random wave, 5-500 Hz, 1 hr. per axis (without USB devices connected)Standards and certificationsEMC: EN 55032/35EN 61000-6-2/-6-4EMI: CISPR 32, FCC Part 15B Class AEMS: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/mIEC 61000-4-3 RS: 1.4 GHz to 6 GHz: 3 V/mIEC 61000-4-4 EFT: Power: 1 kV; Signal: 1 kVIEC 61000-4-5 L-PE: 1 kV ; L -L: 0.5 kV; Signal: 1 kVIEC 61000-4-6 CS: 10 VIEC 61000-4-8 PFMFSafety: EN 62368-1, UL 62368-1International approvals: RCM, KC, BSMIEnvironmentally friendly product: RoHS, CRoHS, WEEEMTBFTime: 924,676 hoursStandards: Telcordia (Bellcore) Standard TR/SR

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability