

Item no.: 387632

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

from **660,73 EUR**

Item no.: 387632
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 the 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 European region, 12 to 24 VDC, TPM v2.0 module, Moxa Industrial Linux (Debian 11, Kernel 5.10), -40 to 70°C operating temperature

Computer CPU- Armv8 Cortex-A53 Dual-Core 1GHz DRAM- 2 GB DDR4 Pre-installed operating system- Moxa Industrial Linux (Debian 11, Kernel 5.10), 2031 EOL Memory Pre-installed- 16 GB eMMC Memory slot- Micro SD slots x 1 Computer interface Ethernet ports- Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 2 Serial ports- RS-232/422/485 ports x 2, software selectable (terminal block) USB 2.0- USB 2.0 hosts x 1, type A connectors Console port- RS-232 (TxD, RxD, GND), 4-pin header output (115200, n, 8, 1) Expansion slots- mPCIe slots x 1 Number of SIMs- 1 SIM format- Nano Buttons- Reset button TPM- TPM v2.0 Ethernet interface Ethernet ports- Auto-sensing 10/100/1000 Mbps ports (RJ45 connection) x 2 Magnetic isolation protection- 1.5 kV (built-in) Serial interface Baud rate- 300 bps to 921.6 kbps Data bits- 5, 6, 7, 8 Parity- None, Even, Odd, Space, Mark Stop bits- 1, 1.5, 2 Flow control- RTS/CTS- XON/XOFF- Automatic Data Direction Control (ADDC) for RS-485- RTS Toggle (RS-232 only) Serial signals RS-232- TxD, RxD, RTS, CTS, GND RS-422- Tx+, Tx-, Rx+, Rx-, GND RS-485- 2w- Data+, Data-, GND RS-485- 4w- Tx+, Tx-, Rx+, Rx-, GND Mobile radio interface Mobile radio standards- LTE Cat. 4 Band options- LTE Band 1 (2100 MHz) / LTE Band 3 (1800 MHz) / Band 7 (2600 MHz) / LTE Band 8 (900 MHz) / LTE Band 20 (800 MHz) / LTE Band 28A (700 MHz) UMTS/HSPA B8 (900 MHz) / B3 (1800 MHz) / B1 (2100 MHz) GSM DCS (1800 MHz) / GSM 900 (900 MHz) GPS interface Receiver types- GPS, GLONASS, Galileo Accuracy- Position: 2.0 m @ CEP50 Acquisition- Hot start: 1.1 sec- Cold start: 29.94 sec Sensitivity- Cold starts: -145 dBm- Tracking: -160 dBm Time Pulse- 250 Hz to 10 MHz LED displays System- Power x 1- SW ready (programmable)- USB (programmable) x 1- micro SD slot (programmable) x 1- Serial Port: TX x 2, RX x 2 Wireless signal strength- Cellular x 2, programmable- Disconnected: None- Very poor signal: 1 LED (flashing)- Poor signal: 1 LED- Good signal: 2 LEDs Power parameters Input current- 900 mA @ 12 VDC- 450 mA @ 24 VDC Input voltage- 12 to 24 VDC Power consumption- 7.8 W (without external USB device)- 10.5 W (with external USB device) Reliability Alert Tools- External RTC (Real Time Clock) Automatic Reboot Trigger- External WDT (Watchdog Timer) Physical Characteristics Dimensions- 102 x 32 x 128 mm (4.20 x 1.26 x 5.04 in) Weight- 546 g (1.2 lb) Housing- SECC- Metall Installation- DIN rail mounting- Wall mounting (with optional kit) Environmental conditions Operating 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 60068-2-27 Vibration- 2 Grms @ IEC 60068-2-64, Random wave, 5-500 Hz, 1 hour per axis (without USB devices connected) Standards and certifications EMC- EN 55032/35- EN 61000-6-2/-6-4 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 61000-4-3 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 62368-1- International approvals- RCM- KC- BSMI Environmentally friendly product- RoHS, CRoHS, WEEE MTBF Time- 866.622 hours Standards- Telcordia (Bellcore) Standard TR/SR

Specifications

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

