

Item no.: 387630

UC-2222A-T-AP - Arm-based computers

from **670,82 EUR**

Item no.: 387630
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 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 for Asia-Pacific pre-installed, 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 OS Moxa Industrial Linux (Debian 11, kernel 5.10), 2031 EOL- Storage Pre-installed 16 GB eMMC- Storage 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 (Tx, Rx, 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 connector) x 2- Magnetic Isolation Protection 1.5 kV (built-in) Serial Interface- Baudrate 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 Tx, Rx, RTS, CTS, GND- RS-422 Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w Data+, Data-, GND- RS-485-4w Tx+, Tx-, Rx+, Rx-, GND Cellular Interface- Cellular Standards LTE Cat. 4- BAND OPTIONS Band Options LTE Band 1 (2100 MHz) / LTE Band 3 (1800 MHz) / LTE Band 5 (850 MHz) / LTE Band 8 (900 MHz) / LTE Band 9 (1800 MHz) / LTE Band 18 (800 MHz) / LTE Band 19 (800 MHz) / LTE Band 26 (850 MHz) / LTE Band 28 (700 MHz) UMTS/HSPA B19 (800 MHz) / B8 (900 MHz) / B6 (850 MHz) / B5 (850 MHz) / B1 (2100 MHz) GPS Interface- Receiver Types GPS, GLONASS, Galileo- Accuracy Position: 2.0 m @ CEP50- Acquisition Hot starts: 1.1 sec Cold starts: 29.94 sec- Sensitivity Cold starts: -145 dBm Tracking: -160 dBm- Time Pulse 250 Hz to 10 MHz LED Indicators- 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 (blinking) 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 Metal- Installation DIN-rail mounting (with optional kit) Environmental Limits- Operating Temperature -40 to 70°C (-40 to 158°F)- Storage Temperature (package included) -40 to 80°C (-40 to 176°F)- Ambient Relative Humidity 5 to 95% (non-condensing)- Shock IEC 60068-2-27- Vibration 2 Grms @ IEC 60068-2-64, random wave, 5-500 Hz, 1 hr per axis (without USB devices attached) Standards and Certifications- EMCEN 55032/35EN 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 PFMF- Safety EN 62368-1 UL 62368-1- International Approval RCM KC BSMI- Green Product RoHS, CrRoHS, WEEE MTBF- Time 870,393 hrs- Standards Telcordia (Bellcore) Standard TR/SR

Specifications

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

