

Item no.: 387538

UC-2102-LX - Mini RISC-based embedded computer with 600 MHz processor and 2 LAN ports

from **282,49 EUR**

Item no.: 387538
shipping weight: 0.20 kg
Manufacturer: MOXA



Product Description

The compact fanless arm-based industrial computers from Moxa are wireless and have comprehensive security functions. They are designed for space-critical applications. The computers are specifically designed for long-term operation and come with a 10-year support for Moxa Industrial Linux, making them an ideal choice for remote monitoring and data acquisition applications.

Mini RISC-based embedded computer with 600 MHz processor and 2 LAN ports

Computer- CPU: Armv7 Cortex-A8 600 MHz- DRAM: 256 MB DDR3- Memory Pre-installed: 8 GB eMMC- Supported operating systems: Moxa Industrial Linux 1 (Debian 9, Kernel 4.4), 2027 EOL

Computer interface- Ethernet ports: Auto-sensing 10/100 Mbps ports (RJ45 connector) x 2- Console connection: RS-232 (TxD, RxD, GND), 4-pin header output (115200, n, 8, 1)- Buttons: Reset button- DIP switch for configuring the serial interface

Ethernet interface- Magnetic insulation protection: 1.5 kV (built-in)

Serial interface- Baud rate: 50 bps to 921.6 kbps- Data bits: 5, 6, 7, 8- Stop bits: 1, 1.5, 2- Parity: None, Even, Odd, Space, Mark- Flow control: RTS/CTS, XON/XOFF, ADDC (automatic data direction control) for RS-485, RTS toggle (RS-232 only)- Pull high/low resistance for RS-485: 1 kilo-ohm, 150 kilo-ohm- ESD protection: 4 kV, for all signals

Serial signals- RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND- RS-422: Tx+, Tx-, Rx+, Rx-, GND- RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w: Data+, Data-, GND

LED indicators- System: Power supply x 1- LAN: 2 per port (10/100 Mbps)- User programmable: User x 2

Physical properties- Dimensions (with ears): 73 x 80 x 28 mm (2.87 x 3.15 x 1.10 in)- Dimensions (without ears): 50 x 80 x 28 mm (1.97 x 3.15 x 1.10 in)- Weight: 190 g (0.42 lb)- Housing: metal- Mounting: wall mount, DIN rail mount (with optional kit)

Environmental- Operating temperature: -10 to 60°C (14 to 140°F)- Storage temperature: -20 to 70°C (-4 to 158°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 connected)

Performance parameters- Input voltage: 9 to 48 VDC- Input current: 0.45 A @ 9 VDC, 0.084 A @ 48 VDC- Power consumption: 4 WMTBF- Time: 1,652,339 hours- Standards: Telcordia (Bellcore) Standard TR-SR

Reliability- Alarming tools: External RTC (real-time clock)- Automatic restart trigger: External WDT (watchdog timer)

Standards and certifications- EMC: EN 55032/35- EMI: CISPR 32, FCC Part 15B Class A- EMS: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/mIEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kVIEC 61000-4-5 Surge: Power: 0.5 kV; signal: 1 kVIEC 61000-4-6 CS: 3 VIEC 61000-4-8 PFMF- Safety: IEC 60950-1, UL 60950-1- Environmentally friendly product: RoHS, CRoHS, WEEE

Specifications

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prices and availability

