

Item no.: 385734

## UC-2112-LX - Compact RISC-based embedded computer with 1 GHz processor, 2 serial ports

from **402,73 EUR**

Item no.: 385734  
shipping weight: 0.30 kg  
Manufacturer: MOXA



### Product Description

Moxa's Arm-based compact fanless industrial-grade computers are wireless-ready and come with comprehensive security features. They are built for space-critical applications. The computers are specifically designed for long-term operations and come with 10-year support for Moxa Industrial Linux, making them an ideal choice for remote monitoring and data-acquisition applications. For more information, visit our Arm Linux IIoT gateway solution portal site.

**Compact RISC-based embedded computer with 1 GHz processor, 2 serial ports, 2 LAN ports (1 Gb Ethernet), and microSD slot**

Computer- CPU Armv7 Cortex-A8 1 GHz- DRAM 512 MB DDR3- Storage Pre-installed 8 GB eMMC- Supported OS Moxa Industrial Linux 1 (Debian 9, kernel 4.4), 2027 EOL See [www.moxa.com/MIL](http://www.moxa.com/MIL)- Storage Slot Micro SD slots x 1 Computer Interface- Ethernet Ports Auto-sensing 10/100 Mbps ports (RJ45 connector) x 1 Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 1- Serial Ports RS-232/422/485 ports x 2, software selectable (DB9 male)- Console Port RS-232 (Tx, Rx, GND), 4-pin header output (115200, n, 8, 1)- Buttons Reset button DIP switch for serial port configuration Ethernet Interface- Magnetic Isolation Protection 1.5 kV (built-in) Serial Interface- Baudrate 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 FDDC (automatic data direction control) for RS-485 RTS Toggle (RS-232 only)- Pull High/Low Resistor for RS-485 1 kilo-ohm, 150 kilo-ohms- ESD Protection 4 kV, for all signals Serial Signals- RS-232 Tx, Rx, 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 x 1- LAN2 per port (10/100 Mbps) 2 per port (10/100/1000 Mbps)- Serial 2 per port (Tx, Rx)- User Programmable User x 1 Physical Characteristics- Dimensions (with ears) 99 x 111 x 25.5 mm (3.90 x 4.37 x 1.00 in)- Dimensions (without ears) 77 x 111 x 25.5 mm (3.03 x 4.37 x 1.00 in)- Weight 290 g (0.64 lb)- Housing Metal- Installation Wall mounting DIN-rail mounting (with optional kit) Environmental Limits- 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 attached) Power Parameters- Input Voltage 9 to 48 VDC- Input Current 0.45 A @ 9 VDC, 0.084 A @ 48 VDC- Power Consumption 4 W MTBF- Time 982,882 hrs- Standards Telcordia (Bellcore) Standard TR-SRR Reliability- Alert Tools External RTC (real-time clock)- Automatic Reboot 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 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV IEC 61000-4-6 CS: 3 V IEC 61000-4-8 PFMF- Safety IEC 60950-1 UL 60950-1- Hazardous Locations Class I Division 2 ATEX Zone 2- Green Product RoHS, CRoHS, WEEE

### Specifications

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All details, up-to-date  
prices and availability

