

Item no.: 385618

UC-5102-LX - Arm-based wireless-enabled industrial computing platform with Cortex-A8 1 GHz CP

from **710,84 EUR**

Item no.: 385618
shipping weight: 1.00 kg
Manufacturer: MOXA



Product Description

Moxa's Arm-based computing family offers wireless-ready, compact, and fanless industrial computers built for space-critical automation applications. These computers are specially designed for long-term operation, making them the ideal choice for remote monitoring and data acquisition applications. Arm-based wireless-enabled industrial computing platform with Cortex-A8 1 GHz CPU, 2 Ethernet ports, 4 serial ports, 1 SD slot, 1 Mini PCIe slot, 4 DIs, 4 DOs, 1 USB port, -10 to 60°C operating temperature. Computer- CPU Armv7 Cortex-A8 1 GHz- DRAM 512 MB DDR3- Supported OS Moxa Industrial Linux 1 (Debian 9, kernel 4.4), 2027 EOL- Storage Pre-installed 8 GB eMMC- Storage Slot SD slots x 1- Expansion Slots mPCIe slots x 1 Computer Interface- Ethernet Ports Auto-sensing 10/100 Mbps ports (RJ45 connector) x 2- Serial Ports RS-232/422/485 ports x 4, software selectable (RJ45)- Digital Input DIs x 4- Digital Output DOs x 4- USB 2.0 USB 2.0 hosts x 1, type-A connectors- Number of SIMs 2- SIM Format Micro- Buttons Reset button DIP switch for serial and CAN port configuration- Console Port RS-232 (Tx, Rx, GND), RJ45 output (115200, n, 8, 1) Ethernet Interface- Magnetic Isolation Protection 1.5 kV (built-in) Serial Interface- Baudrate 50 bps to 921.60 kbps- Data Bits 7, 8- Stop Bits 1, 2- Parity None, Even, Odd, Space, Mark- Flow Control RTS/CTS, XON/XOFF ADCC (automatic data direction control) for RS-485 RTS Toggle (RS-232 only) Serial Signals- RS-232 Tx, Rx, RTS, CTS, DTR, DSR, DCD, GND- RS-422 Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w Data+, Data-, GNDDigital Inputs- Voltage 0 to 0.8 VDC 2.0 to 5.5 VDC Digital Outputs- Current Rating 24 mA per channel- Voltage 0 to 0.55 VDC 2.5 to 3.3 VDC LED Indicators- LAN 2 per port (10/100 Mbps)- Serial 2 per port (Tx, Rx)- Wireless Signal Strength Cellular/Wi-Fi x 3 Physical Characteristics- Dimensions 57 x 136 x 100 mm (2.24 x 5.35 x 3.94 in)- Weight 600 g (1.32 lb)- Housing Metal- Installation DIN-rail mounting Wall mounting (with optional kit) Power Parameters- Input Voltage 9 to 48 VDC- Input Current 0.95 A @ 9 VDC, 0.23 A @ 48 VDC- Power Consumption 11 W 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)- Vibration 2 Grms @ IEC 60068-2-64, random wave, 5-500 Hz, 1 hr per axis (without USB devices attached)- Shock IEC 60068-2-27 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: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF- Safety UL 60950-1 IEC 60950-1 EN 62368-1- Green Product RoHS, CRoHS, WEEE Reliability- Alert Tools External RTC (real-time clock)- Automatic Reboot Trigger External WDT (watchdog timer) MTBF- Time 704,409 hrs- Standards Telcordia (Bellcore) Standard TR/SR

Specifications

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All details, up-to-date
prices and availability

