

Artikelnr.: 385633

## UC-8220-T-LX - Arm Cortex-A7 Dual-Core 1 GHz IIoT-Gateway mit 2 Erweiterungsteckplätzen

ab **800,26 EUR**

Artikelnr.: 385633  
Versandgewicht: 0.80 kg  
Hersteller: MOXA



### Produktbeschreibung

Die kompakten lüfterlosen Industriecomputer auf Arm-Basis von Moxa sind Wireless-fähig und verfügen über umfassende Sicherheitsfunktionen. Sie sind für platzkritische Anwendungen konzipiert. Die Computer sind speziell für den Langzeitbetrieb konzipiert und werden mit 10 Jahren Support für Moxa Industrial Linux geliefert, was sie zu einer idealen Wahl für Fernüberwachungs- und Datenerfassungsanwendungen macht. Arm Cortex-A7 Dual-Core 1 GHz IIoT-Gateway mit 2 Erweiterungsteckplätzen für ein Wi-Fi- und LTE-Modul, 1 CAN-Port, 4 DI, 4 DO, -40 bis 85°C Betriebstemperatur. Computer- CPU Armv7 Cortex-A7 dual-core 1 GHz- DRAM 2 GB DDR3L- Supported OS Moxa Industrial Linux 1 (Debian 9, kernel 4.4), 2027 EOL Moxa Industrial Linux 3 (Debian 11, kernel 5.10), 2031 EOL. See www.moxa.com/MIL- Storage Pre-installed 8 GB eMMC- Expansion Slots MicroSD (SD 3.0) socket 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 (DB9 male)- CAN Ports CAN 2.0 A/B x 1 (DB9 male)- Digital Input DI x 4- Digital Output DO x 4- USB 2.0 USB 2.0 hosts x 1, type-A connectors- Wi-Fi Antenna Connector RP-SMA x 2- Cellular Antenna Connector SMA x 2- GPS Antenna Connector SMA x 1- Expansion Slots mPCIe slots x 2- SIM Format Nano- Number of SIMs 2- Buttons Programmable button- TPM TPM v2.0 Ethernet Interface- Magnetic Isolation Protection 1.5 kV (built-in) Security Functions- Hardware-based Security TPM 2.0 Hardware Root of Trust Secure Boot- Intrusion Detection Host-based Intrusion Detection- Security Tools Security Diagnostic Tool Security Event Auditing Secure Update- Disk Protection LUKS Disk Encryption- Recovery One-step recovery to the last known secure state Dual-system design with automatic failback- Reliability Network Keep Alive Network Failover and Failback Serial Interface- Baudrate 300 bps to 921.6 kbps- Data Bits 7, 8- Stop Bits 1, 2- Parity None, Even, Odd, Space, Mark- Flow Control RTS/CTS, XON/XOFF ADC (automatic data direction control) for RS-485 RTS Toggle (RS-232 only)- Console Port 1 x 4-pin header to DB9 console port Serial Signals- RS-232 Tx, Rx, D, S, R, C, T, D, S, R, C, D, GND- RS-422 Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w Data+, Data-, GND CAN Interface- No. of Ports 1- Connector DB9 male- Baudrate 10 to 1000 kbps- Industrial Protocols CAN 2.0A CAN 2.0B- Isolation 2 kV (built-in)- Signals CAN\_H, CAN\_L, CAN\_GND, CAN\_SHLD, CAN\_V+, GND Digital Inputs- Connector Screw-fastened Euroblock terminal- Dry Contact Off: open On: short to GND- Isolation 3k VDC- Sensor Type Wet contact (NPN) Dry contact- Wet Contact (DI to COM) On: 10 to 30 VDC Off: 0 to 3 VDC Digital Outputs- Connector Screw-fastened Euroblock terminal- Current Rating 200 mA per channel- I/O Type Sink- Voltage 24 VDC nominal, open collector to 30 VDC Cellular Interface- Cellular Standards LTE Cat. 4 GPS Interface- Receiver Types GPS/GLONASS/Galileo State-of-the-art GNSS solution- Accuracy Position: 2.0 m @ CEP 50- Acquisition Hot starts: 1.1 sec Cold starts: 29.94 sec- Sensitivity Cold starts: -145 dBm Tracking: -160 dBm- Time Pulse 0.25 Hz to 10 MHz LED Indicators- System Power x 2 Programmable x 1 SIM card indicator x 1- Wireless Signal Strength Cellular/Wi-Fi x 6 Power Parameters- No. of Power Inputs Redundant dual inputs- Input Voltage 12 to 48 VDC- Power Consumption 10 W- Input Current 0.8 A @ 12 VDC Reliability- Alert Tools External RTC (real-time clock)- Automatic Reboot Trigger External WDT (watchdog timer) Physical Characteristics- Dimensions 141.5 x 120 x 39 mm (5.7 x 4.72 x 1.54 in)- Weight 750 g (1.65 lb)- Housing SECC Metal - IP Rating IP30- Installation DIN-rail mounting Wall mounting (with optional kit) Environmental Limits- Operating Temperature -40 to 70°C (-40 to 158°F)- Storage Temperature (package included) -40 to 85°C (-40 to 185°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- 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 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFM IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV- Industrial Cybersecurity IEC 62443-4-1 IEC 62443-4-2- Hazardous Locations Class I Division 2ATEX IECX- Carrier Approvals Verizon AT&T- Safety UL 62368-1 EN 62368-1- Green Product RoHS, CRoHS, WEEE MTBF- Time 650,836 hrs- Standards Telcordia (Bellcore) Standard TR/SR

### Technische Daten

Hier gehts zum Artikel  
Alle Informationen,  
tagesaktuelle Preise und  
Verfügbarkeiten

