

Item no.: 385631

UC-8210-T-LX-S - Arm Cortex-A7 dual-core 1 GHz IIoT gateway with built-in TPM module, 1 CAN port,

from **651,31 EUR**

Item no.: 385631
shipping weight: 0.90 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, making them an ideal choice for remote monitoring and data-acquisition applications.

Arm Cortex-A7 dual-core 1 GHz IIoT gateway with built-in TPM module, 1 CAN port, 4 DIs, 4 DOs, -40 to 85°C operating temperature

ComputerCPU- Armv7 Cortex-A7 dual-core 1 GHzDRAM- 2 GB DDR3LSupported OS- Moxa Industrial Linux 1 (Debian 9, kernel 4.4), 2027 EOL- Moxa Industrial Linux 3 (Debian 11, kernel 5.10), 2031 EOLStorage Pre-installed- 8 GB eMMCExpansion Slots- MicroSD (SD 3.0) socket x 1Computer InterfaceEthernet Ports- Auto-sensing 10/100/1000 Mbps ports (RJ45 connector) x 2Serial 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- DIs x 4Digital Output- DOs x 4USB 2.0- USB 2.0 hosts x 1, type-A connectorsButtons- Programmable buttonTPM- TPM v2.0Ethernet InterfaceMagnetic Isolation Protection- 1.5 kV (built-in)Security FunctionsHardware-based Security- TPM 2.0- Hardware Root of Trust Secure BootIntrusion Detection- Host-based Intrusion DetectionSecurity Tools- Security Diagnostic Tool- Security Event Auditing- Secure UpdateDisk Protection- LUKS Disk EncryptionRecovery- One-step recovery to the last known secure state- Dual-system design with automatic fallbackReliability- Network Keep Alive- Network Failover and FailbackSerial InterfaceBaudrate- 300 bps to 921.6 kbpsData Bits- 7, 8Stop Bits- 1, 2Parity- None, Even, Odd, Space, MarkFlow Control- RTS/CTS, XON/XOFF- ADDC (automatic data direction control) for RS-485- RTS Toggle (RS-232 only)Console Port- 1 x 4-pin header to DB9 console portSerial SignalsRS-232- TxD, RxD, RTS, CTS, DTR, DSR, DCD, GNDRS-422- Tx+, Tx-, Rx+, Rx-, GNDRS-485-2w- Data+, Data-, GNDCAN InterfaceNo. of Ports- 1Connector- DB9 maleBaudrate- 10 to 1000 kbpsIndustrial Protocols- CAN 2.0A- CAN 2.0BIsolation- 2 kV (built-in)Signals- CAN_H, CAN_L, CAN_GND, CAN_SHLD, CAN_V+, GNDDigital InputsConnector- Screw-fastened Euroblock terminalDry Contact- Off: open- On: short to GNDIsolation- 3K VDCSensor Type- Wet contact (NPN)- Dry contactWet Contact (DI to COM)- On: 10 to 30 VDC- Off: 0 to 3 VDCDigital OutputsConnector- Screw-fastened Euroblock terminalCurrent Rating- 200 mA per channelI/O Type- SinkVoltage- 24 VDC nominal, open collector to 30 VDCCellular InterfaceCellular Standards- LTE Cat. 4GPS InterfaceReceiver Types- GPS/GLONASS/Galileo- State-of-the-art GNSS solutionAccuracy- Position: 2.0 m @ CEP50Acquisition- Hot starts: 1.1 sec- Cold starts: 29.94 secSensitivity- Cold starts: -145 dBm- Tracking: -160 dBmTime Pulse- 0.25 Hz to 10 MHzLED IndicatorsSystem- Power x 2- Programmable x 1- SIM card indicator x 1Wireless Signal Strength- Cellular/Wi-Fi x 6Power ParametersNo. of Power Inputs- Redundant dual inputsInput Voltage- 12 to 48 VDCPower Consumption- 10 WInput Current- 0.8 A @ 12 VDCReliabilityAlert Tools- External RTC (real-time clock)Automatic Reboot Trigger- External WDT (watchdog timer)Physical CharacteristicsHousing- SECC- MetallIP Rating- IP30Installation- DIN-rail mounting- Wall mounting (with optional kit)Environmental LimitsOperating 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 60068-2-27Vibration- 2 Grms @ IEC 60068-2-64, random wave, 5-500 Hz, 1 hr per axis (without USB devices attached)Standards and CertificationsEMC- EN 55032/35- EN 61000-6-2/-6-4EMI- CISPR 32, FCC Part 15B Class AEMS- 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 PFMF- IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kVIndustrial Cybersecurity- IEC 62443-4-1- IEC 62443-4-2Hazardous Locations- Class I Division 2- ATEX- IECExCarrier Approvals- Verizon- AT&TSafety- UL 62368-1- EN 62368-1Green Product- RoHS, CrRoHS, WEEEEMTBFTIME- 708,581 hrsStandards- Telcordia (Bellcore) Standard TR/SR

Specifications

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

