

Artikelnr.: 385248

AIG-301-US-AZU-LX - Erweiterte IIoT-Gateways mit 2 Ports für Modbus

ab 1.179,02 EUR

Artikelnr.: 385248
Versandgewicht: 0.80 kg
Hersteller: MOXA



Produktbeschreibung

2-port Modbus to Azure advanced IIoT gateways with Arm® Cortex™-A7 dual-core 1 GHz processor, Azure IoT Edge, LTE Cat. 4 module for U.S. region, -40 to 70°C operating temperature. Computer- CPU: Armv7 Cortex-A7 dual-core 1 GHz- DRAM: 2 GB DDR3L- Storage Pre-installed: 16 GB eMMC- Pre-installed OS: Moxa Industrial Linux (Debian 9, Kernel 4.4)- No. of Tags Supported: 2048 Computer Interface- TPM: TPM v2.0- 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 (excluding AIG-301-AZU-LX/T-AZU-LX models)- GPS Antenna Connector: SMA x 1 (excluding AIG-301-AZU-LX/T-AZU-LX models)- Expansion Slots: AIG-301-CN-AZU-LX/T-CN-AZU-LX: mPCIe slot x 2- All Other Models: mPCIe slot x 1- Buttons: Reset button, Reset to factory default- Digital Input: DIs x 4- Digital Output: DOs x 4- Number of SIMs: 2- SIM Format: Nano (excluding AIG-301-AZU-LX/T-AZU-LX models) Ethernet Interface- Magnetic Isolation Protection: 1.5 kV (built-in)- 10/100/1000BaseT(X) Ports (RJ45 connector): 2 Ethernet Software Features Industrial Protocols: - Modbus TCP Client (Master)- Generic MQTT- Azure IoT Device- AWS IoT Core- Azure IoT Edge- OPC UA Server- Sparkplug B Client Configuration Options:- Web Console (HTTP/HTTPS)- ThingsPro Proxy Utility Time Management- NTP Server/Client- GPSSerial Interface- Console Port: 1 x 4-pin header- No. of Ports: 2- Connector: DB9 male- Baudrate: 300 bps to 921.6 kbps- Data Bits: 7, 8- Flow Control: ADDC (automatic data direction control) for RS-485, RTS/CTS, XON/XOFF- Parity: None, Even, Odd, Space, Mark- Stop Bits: 1, 2 Serial Signals- RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND- RS-422: Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w: Data+, Data-, GND- RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND Serial Software Features- Industrial Protocols: Modbus RTU/ASCII Master CAN Interface- No. of Ports: 1- Connector: DB9 male- Baudrate: 10 to 1000 kbps- Industrial Protocols: CAN 2.0A, CAN 2.0B Signals: CAN_H, CAN_L, CAN_GND, CAN_SHLD, CAN_V+, GND- Isolation: 2 kV (built-in) Digital Inputs- Connector: Spring-type Euroblock terminal- Sensor Type: Wet contact (NPN), Dry contact- Dry Contact: Off: open, On: short to GND- Wet Contact (DI to COM): On: 10 to 30 VDC, Off: 0 to 3 VDC- Isolation: 3K VDC Digital Outputs- Connector: Spring-type 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- Band Options (US): LTE Band 2 (1900 MHz) / LTE Band 4 (1700 MHz) / LTE Band 5 (850 MHz) / LTE Band 12 (700 MHz) / LTE Band 13 (700 MHz) / LTE Band 14 (700 MHz) / LTE Band 66 (1700 MHz) / LTE Band 71 (600 MHz), UMTS/HSPA 850 MHz / 1900 MHz, Carrier Approval: Verizon, AT&T- Band Options (EU): LTE Band 1 (2100 MHz) / LTE Band 3 (1800 MHz) / LTE Band 7 (2600 MHz) / LTE Band 8 (900 MHz) / LTE Band 20 (800 MHz), UMTS/HSPA 900 MHz / 1800 MHz / 2100 MHz- Band Option (APAC): LTE Band 1 (2100 MHz) / LTE Band 3 (1800 MHz) / LTE Band 5 (850 MHz) / LTE Band 8 (900 MHz) / LTE Band 28 (700 MHz), UMTS/HSPA 850 MHz / 900 MHz / 2100 MHz GPS Interface- Receiver Types: GPS/GLONASS/BeiDou/Galileo/QZSS- Accuracy: 0.8 m- Acquisition: -147 dBm- Sensitivity: Cold starts: -145 dBm, Tracking: -160 dBm LED Indicators- System: Power x 2, User x 1, SIM card indicator x 1- LAN: 2 per port (10/100/1000 Mbps)- Wireless Signal Strength: Cellular/Wi-Fi x 6 Azure IoT Edge- Versions Supported: v1.4.10- Authentication Methods: Manual / Connection String: DPS / TPM, DPS / Symmetric Encryption, DPS / X.509 Certificate- Azure Direct Methods: Reboot, Software Upgrade, Remote API Invocation- Azure Module Twin: Device Configuration- Moxa Functions: Custom Payload, Message Group Sparkplug B Client- Versions Supported v2.2- Node Commands (NCMD), Next Broker, Reboot, Rebirth- Moxa Functions: Store and Forward, Custom Payload OPC UA Server- No. of Client Connections: 10 Security: Sign and encrypt with policies Basic128Rsa15, Basic256, and Basic256Sha256- User Authentication and Authorization: Username/password- Supported Profiles: OPC UA v1.02- No. of Supported Tags: 1024 Generic MQTT Client- Versions Supported: v3.1.1, v3.1- QoS Levels: 0, 1, 2- Authentication Methods: Username and password- Secure Transmission: TLS 1.0, TLS 1.1, TLS 1.2- Native Capabilities: Keep Alive, Retain Message, Clean Session, Will and Testament- Moxa Functions: Store and Forward, Custom Payload, Remote API Invocation Modbus RTU/ASCII- Mode: Master- Functions Supported: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. No. of Commands: 256 per port- Max. No. of Connected Devices: 62 Modbus TCP- Mode: Client (Master)- Functions Supported: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. No. of Server Connections: 64- Max. No. of Commands: 2048 Power Parameters- No. of Power Inputs: Redundant dual inputs- Input Voltage: 12 to 48 VDC- Power Connector: 4-pin terminal block- Power Consumption: AIG-301-AZU-LX/T-AZU-LX: 4.8 W, AIG-301-CN-AZU-LX/T-CN-AZU-LX: 6.0 W, All Other Models: 8.4 W- Input Current: AIG-301-AZU-LX/T-AZU-LX: 0.4 A @ 12 VDC, AIG-301-CN-AZU-LX/T-CN-AZU-LX: 0.5 A @ 12 VDC, All Other Models: 0.7 A @ 12 VDC Reliability- Automatic Reboot Trigger: External WDT (watchdog timer) Physical Characteristics- Housing: Metal: SECC - Installation: DIN-rail mounting, Wall mounting (with optional kit)- IP Rating: IP30- Weight: AIG-301-AZU-LX/T-AZU-LX: 560 g (1.23 lb), AIG-301-CN-AZU-LX/T-CN-AZU-LX: 745 g (1.64 lb), All Other Models: 750 g (1.65 lb)- Dimensions: AIG-301-AZU-LX/T-AZU-LX: 141.5 x 120 x 27 mm (5.7 x 4.72 x 1.06 in), All Other Models: 141.5 x 120 x 39 mm (5.7 x 4.72 x 1.54 in) Environmental Limits- Operating Temperature: Standard Temp. Models: AIG-301-US-AZU-LX, AIG-301-EU-AZU-LX, AIG-301-APAZULX, AIG-301-CN-AZU-LX: -20 to 70°C (-4 to 158°F), AIG-301-AZU-LX: -20 to 85°C (-4 to 185°F) Wide Temp. Models: AIG-301-T-US-AZU-LX, AIG-301-T-EU-AZU-LX, AIG-301-T-APAZULX, AIG-301-T-CN-AZU-LX: -40 to 70°C (-40 to 158°F), AIG-301-T-AZU-LX: -40 to 85°C (-40 to 185°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 to 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 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF- Safety: UL 62368-1, EN 62368-1- Radio: NCC, KC, RCM- Carrier Approvals: AT&T, Verizon, PTCRB- RED: EN 301 489-1/17/19/52, EN 301 908-1, EN 303 413, EN 62311- Green Product: RoHS, CrRoHS, WEEE- Hazardous Locations: Class I Division 2, ATEX MTBF- Time: AIG-301-AZU-LX/T-AZU-LX: 794,092 hrs, AIG-301-US-AZU-LX/T-US-AZU-LX, AIG-301-EU-AZU-LX/T-EU-AZU-LX, AIG-301-AP-AZU-LX/T-AP-AZU-LX: 683,818 hrs- Standards: Telcordia (Bellcore) Standard TR/SR

Hier gehts zum Artikel
Alle Informationen,
tagesaktuelle Preise und
Verfügbarkeiten

