

Artikelnr.: 385250

AIG-301-T-EU-AZU-LX - Erweiterte IIoT-Gateways mit 2 Anschlüssen für Modbus zu Azure

ab 1.224,11 EUR

Artikelnr.: 385250
Versandgewicht: 0.60 kg
Hersteller: MOXA



 [Produktbeschreibung](#)

Die fortschrittlichen IIoT-Gateways von Moxa sind für verteilte und unbemannte Standorte in rauen Betriebsumgebungen konzipiert. Die IIoT-Gateways bieten eine nahtlose Integration mit verschiedenen Cloud-Anwendungen, wie z. B. Azure, und ermöglichen eine einfache Erfassung und Analyse von Daten aus Industrierobotern. Die IIoT-Gateways sind programmierbar und bieten vielseitige kundenspezifische Lösungen, die den spezifischen Anforderungen verschiedener industrieller Anwendungen entsprechen. 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 EU 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)- 10/100/1000 Base(TX) 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) Things Pro 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 Tx/D, Rx/D, 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 2.0 ACAN 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 IoT Device- Connection Protocols Supported MQTT MQTT over WebSockets AMQP AMQP over WebSockets- Authentication Methods Symmetric Key X.509 Certificate- Azure Direct Methods Reboot Software Upgrade Remote API Invocation AWS IoT Core- QoS Levels 0, 1- Authentication Methods X.509 Certificate Private Key Trusted Root CA- Native Capabilities Keep Alive- 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 v3.1.1v3.1- 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 Azure IoT Device- Connection Protocols Supported MQTT MQTT over WebSockets AMQP AMQP over WebSockets- Authentication Methods Symmetric Key X.509 Certificate- Azure Direct Methods Reboot Software Upgrade Remote API Invocation AWS IoT Core- QoS Levels 0, 1- Authentication Methods X.509 Certificate Private Key Trusted Root CA- Native Capabilities Keep Alive- Moxa Functions Store and Forward Custom Payload- Operating Temperature Standard Temp. Upgrade 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 4.8 W- Input Current 0.4 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 560 g (1.23 lb)- Dimensions 141.5 x 120 x 27 mm (5.7 x 4.72 x 1.06 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-APAZU-LX, 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- EMCEN 55032/35EN 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 62368-1EN 62368-1- Radio NCCKRCM- Carrier Approvals AT&T Verizon PTCRB- REDEN 301 489-1/17/19/52EN 301 908-1EN 303 413EN 62311- Green Product RoHS, CRoHS, 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

Technische Daten

Hier gehts zum Artikel
Alle Informationen,
tagesaktuelle Preise und
Verfügbarkeiten

