

Item no.: 385242

## AIG-101-T-US - Cloud-capable 2-port Modbus RTU/ASCII/TCP to MQTT/Azure/AWS gateway

from **799,80 EUR**

Item no.: 385242  
shipping weight: 0.60 kg  
Manufacturer: MOXA



### Product Description

Cloud-capable gateway with 2 connections for Modbus RTU/ASCII/TCP to MQTT/Azure/AWS with integrated LTE Cat. 1 module for the USA region, operating temperature -40 to 70 °C Ethernet interface- 10/100BaseT(X) ports (RJ45 connection): 2. Auto MDI/MDI-X connection- Magnetic isolation protection: 1.5 kV (built-in) Ethernet software functions- Industry protocols: Modbus TCP Client (Master) / Server (Slave); Generic MQTT; Azure IoT Device; AWS IoT Core- Configuration options: Web console (HTTP/HTTPS)- Time management: NTP client; GPSSerial interface- Number of ports: 2- Connection: DB9 connector- Serial standards: RS-232/422/485- Baud rate: 300 bps to 921.6 kbps- Data bits: 7, 8- Parity: None, Even, Odd, Space, Mark- Stop bits: 1, 2- Flow control: RTS/CTSSerial 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-, GNDCellular interface- Cellular standards: LTE Cat. 1- Cellular antenna connections: SMA x 2- SIM format: Nano SIM- Number of SIMs: 2- GPS antenna connectors: SMA x 1Band optionsUS model:- LTE bands: Band 2 (1900 MHz) / Band 4 (1700 MHz) / Band 5 (850 MHz) / Band 12 (700 MHz) / Band 13 (700 MHz) / Band 14 (700 MHz) / Band 66 (1700 MHz) / Band 71 (600 MHz)- UMTS bands: 2 (1900 MHz) / Band 4 (1700 MHz) / Band 5 (850 MHz)- Carrier Approval: Verizon, AT&TEU Model:- LTE Bands: Band 1 (2100 MHz) / Band 3 (1800 MHz) / Band 7 (2600 MHz) / Band 8 (900 MHz) / Band 20 (800 MHz) / Band 28 (700 MHz)- UMTS Bands: Band 1 (2100 MHz) / Band 3 (1800 MHz) Band 8 (900 MHz)AP model:- LTE bands: Band 1 (2100 MHz) / Band 3 (1800 MHz) / Band 5 (850 MHz) / Band 8 (900 MHz) / Band 28 (700 MHz)- UMTS bands: Band 1 (2100 MHz) / Band 5 (850 MHz) / Band 8 (900 MHz)Serial software functions- Industry protocols: Modbus RTU/ASCII MasterModbus RTU/ASCII- Mode: Master- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. Number of commands: 256 per connectionModbus TCP- Mode: Server (slave); Client (master)- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. Max. number of client connections: 4- Max. number of server connections: 64 Max. number of server connections: 64- Max. number of commands: 1500 Max. number of commands: 1500Generic MQTT client- Supported versions: 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 features: Store and Forward; Custom Payload; Remote API CallAzure IoT Device- Supported Connection Protocols: MQTT; MQTT over WebSockets; AMQP; AMQP over WebSockets- Authentication Methods: Symmetric Key; X.509 Certificate- Azure Direct Methods: Restart; Software upgrade; Remote API call- Moxa functions: Store and Forward; Custom PayloadAWSIoT Core- QoS Levels: 0.1- Authentication Methods: X.509 Certificate; Private Key; Trusted Root CA- Native Capabilities: Keep Alive- Moxa features: Store and Forward; Custom Payload- Commands callable via jobs: Restart; Software upgrade; Remote API callMemory- microSD slot: Up to 32 GB (SD 2.0 compatible); Max. Number of tags supported: 1500Performance parameters- Input voltage: 9 to 36 VDC- Power connection: Screwable Euroblock terminal- Power consumption: 8 W (max.)Physical characteristics- Dimensions: 128.5 x 89.1 x 41 mm (5.06 x 3.51 x 1.61 in.)- Housing: Metal- Installation: DIN rail mounting; wall mounting (with optional kit)- Weight: AIG-101-T: 492 g (1.08 lb); AIG-101-T-AP/EU/US: 512 g (1.13 lb)Environmental conditions- Ambient relative humidity: 5 to 95 % (non-condensing)- Operating temperature: -40 to 70 °C (-40 to 158 °F)- Storage temperature (including packaging): -40 to 85°C (-40 to 185°F)Standards and certifications- EMC: EN 55032/35- EMI: CISPR 32, FCC Part 15B Class A- EMS: IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/mIEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kVIEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kVIEC 61000-4-6 CS: 10 VIEC 61000-4-8 PFMF- Safety: IEC 62368-1; UL 62368-1; EN 62368-1- Shock: IEC 60068-2-27- Vibration: IEC 60068-2-64; 5 Grms @ 5 to 500 Hz, random wave, 1 hr. per axis (without connected USB devices)- Mobile phone standards: EN 303 413 (GPS); EN 301 908-1 (WCDMA/LTE); EN 301 908-2/13 (WCDMA/LTE); EN 301 489-1/-19; EN 301 489-1/-52; EN 62311- Radio Frequency: FCC; PTCRB; RCM- Carrier Approvals: Verizon; AT&T- Environmentally friendly product: RoHS; CRoHS; WEEEEMTB- Time: 566,458 hours- Standards: Telcordia SR332

### Specifications

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All details, up-to-date  
prices and availability

