

Item no.: 384727

MGATE 5109 - 1-port Modbus to DNP3 gateway, 0 to 60°C operating temperature

from **521,40 EUR**

Item no.: 384727
 shipping weight: 0.60 kg
 Manufacturer: MOXA



Product Description

Whether single or multiple serial ports, Moxa's Modbus TCP gateway solutions convert data on networks between Modbus RTU/ASCII, Modbus TCP, DNP3, CANopen, J1939, PROFIBUS, BACnet/IP, IEC 101/104 and IEC 61850, making configuration, troubleshooting and conversion quick and easy. 1-Port Modbus to DNP3 gateway, 0 to 60 °C operating temperature Ethernet interface- 10/100BaseT(X) ports (RJ45 connection): 2- Auto MDI/MDI-X connection: Magnetic isolation protection, 1.5 kV (built-in) Ethernet software features- Industrial protocols: Modbus TCP Client (Master) Modbus TCP Server (Slave) DNP3 TCP Master DNP3 TCP Outstation- Configuration options: Web Console (HTTP/HTTPS) Device Search Utility (DSU) Telnet Console- Management: ARP DHCP Client DNS HTTP TFTP SMT P SNMP Trap SNMP v1/v2c/v3 TCP/IP Telnet SSH UDP NTP Client MIB: RFC1213, RFC1317- Time management: NTP Client Security functions- Authentication: Local database- Encryption: HTTPS AES-128 AES-256 SHA-256- Security protocols: SNMP v3 SNMP v2c Trap HTTPS (TLS 1.3) Serial interface Console port: RS-232 (Tx, Rx, GND), 8-pin RJ45 (115200, n, 8, 1) Number of ports: 1 Connector: DB9 connector Serial standards: RS-232/422/485 Baud rate: 50 bps to 921.6 kbps Data bits: 7, 8 Parity: None Even Odd Space Mark Stop bits: 1, 2 Flow control: RTS Toggle (RS-232 only), RTS/CTS RS-485 Data direction control: Automatic data direction control (ADDC) Pull high/low resistor for RS-485: 1 kilo-ohm, 150 kilo-ohm Terminating resistor for RS-485: 120 Ohm Isolation: 2 kV (built-in) Serial signals- RS-232: Tx, Rx, 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 functions- Configuration options: Serial console- Industrial protocols: Modbus RTU/ASCII Master Modbus RTU/ASCII Slave DNP3 Serial Master DNP3 Serial Outstation Modbus RTU/ASCII- Mode: Master, Slave- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. number of commands: 100 Number of commands: 100 Modbus TCP- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Mode: Client (master), Server (slave)- Max. number of client connections: 16. Max. number of client connections: 16- Max. number of server connections: 32 Max. number of server connections: 32- Max. number of commands: 100 DN Max. number of commands: 100 DNP3 (Transparent) Max. number of master connections: 16 Max. number of master connections: 16 Max. number of outstation connections: 16 Max. number of outstation connections: 32 DNP3 Serial- Mode: Master, outstation- Max. number of master connections: 1 Number of master connections: 1- Max. Max. number of outstation connections: 31- Internal outstation database: Binary inputs: 8192 points Analogue inputs: 2048 points Counters: 2048 points Binary outputs: 8192 points Analogue outputs: 2048 points Binary input events: 1024 Analogue input events: 1024 Counter events: 1024 DNP3 TCP/UDP- Mode: Master, outstation- Max. Number of master connections: 1- Max. Number of outstation connections: 32- Internal master database (MGate as DNP3 master)- Binary inputs: 8192 points (256 points per outstation)- Binary outputs: 8192 points (256 points per outstation) Analogue inputs: 2048 points (64 points per outstation) Analogue outputs: 2048 points (64 points per outstation) Counters: 2048 points (64 points per front-door station)- Internal front-door station database: Binary inputs: 8192 points Analogue inputs: 2048 points Counters: 2048 points Binary outputs: 8192 points Analogue outputs: 2048 points Binary input events: 1024 Analogue input events: 1024 Counter events: 1024 Memory microSD slot: Up to 32 GB (SD 2.0 compatible) Performance parameters Input voltage: 12 to 48 VDC Input current: 455 mA @ 12 VDC Power connection: Screwable Euroblock terminal Relay Contact current rating: Resistive load: 2 A @ 30 VDC Physical properties Housing: Metal Protection class: IP30 Dimensions: 36 x 105 x 140 mm (1.42 x 4.14 x 5.51 in) Weight: 507 g (1.12 lb) Environmental limits Operating temperature: 0 to 60°C (32 to 140°F) Storage temperature (including packaging): -40 to 85°C (-40 to 185°F) Ambient relative humidity: 5 to 95% (non-condensing) Standards and certifications EMC: EN 55032/35-EMI: CISPR 32, FCC Part 15B Class B-EMS: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m IEC 61000-4-8 PFMF-Safety: EN 62368-1, UL 508-Hazardous areas: ATEX, Class I Division 2, IECEx-Free-fall: IEC 60068-2-32-Shock: IEC 60068-2-27-Vibration: IEC 60068-2-6 IEC 60068-2-64 MTBF Time: 888,926 hours Standards: Telcordia SR332

Specifications

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

