

Item no.: 384612

MGATE 5119-T - 1-port DNP3/IEC 101/IEC 104/Modbus-to-IEC 61850 gateways

from **929,23 EUR**

Item no.: 384612
shipping weight: 0.60 kg
Manufacturer: MOXA



Product Description

1-port DNP3/IEC 101/IEC 104/Modbus-to-IEC 61850 gateways, -40 to 75°C operating temperature Ethernet interface 10/100BaseT(X) ports (RJ45 connector)- 2- Auto MDI/MDI-X connector Magnetic isolation protection- 1.5 kV (built-in) Ethernet software functions Industrial protocols- Modbus TCP Client (Master)- IEC 60870-5-104 Client- IEC 61850 MMS Server- DNP3 TCP Master Configuration options- Web Console (HTTP/HTT) Web Console (HTTP/HTTPS)- Device Search Utility (DSU) Management- ARP- DHCP Client- DNS- HTTP- HTTPS- SMTP- SNMP Trap- SNMPv1/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- SNMPv3- SNMPv2c Trap- HTTPS (TLS 1.3) Serial interface Console connection- RS-232 (Tx, Rx, GND), 8-pin RJ45 (115200, n, 8, 1) No. of ports Ports- 1 Connector- DB9 connector Serial standards- RS-232/422/485 Baud rate- 50 bps to 921.6 kbps Data bits- 7, 8 Parity- Even- Mark- None- Odd- Space 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 Kiloohm, 150 Kilo-Ohm Terminating Resistor for RS-485- 120 Ohms 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 Industrial protocols- Modbus RTU/ASCII Master- IEC 60870-5-101 Master (balanced/unbalanced)- DNP3 Serial Master Modbus RTU/ASCII Mode- Master Supported functions- 1, 2, 3, 4, 5, 6, 15, 16, 23 Max. Number of commands- 128 Modbus TCP Mode- Client (Master) Supported functions- 1, 2, 3, 4, 5, 6, 15, 16, 23 Max. number of server connections - 128 No. of server connections- 32 Max. No. of Commands- 128 IEC 60870-5-104 Mode- Client Supported objects- Single point- Double point- Step position- Bit string of 32 bit- Measured value (normalised)- Measured value (scaled)- Measured value (floating) Integrated totals Max. number of server connections- 32 Max. number of information objects - 32 Max. number of information objects- 1200 points IEC 60870-5-101 Mode- Master (symmetrical/unsymmetrical) Supported objects- Single point- Double point- Step position- Bit string of 32 bits- Measured value (normalised)- Measured value (scaled)- Measured value (floating)- Integrated sums Max. number of slave connections - Measured value (scaled) Max. number of slave connections - Measured value (floating) - Integrated sums Number of slave connections- 1 (balanced), 31 (unbalanced) Max. number of information objects- 1200 points DNP3 Serial Mode- Master Supported objects- Binary inputs- Analogue inputs- Counters- Frozen counters- Binary outputs- Analogue outputs Max. number of outstation connections- 16 Max. number of objects - 1200 points Max. number of objects- 1200 points DNP3 TCP Mode- Master Supported objects- Binary inputs- Analogue inputs- Counters- Frozen counters- Binary outputs- Analogue outputs Max. number of outstation connections- 16 Max. number of objects - 1200 points Max. number of objects- 1200 points IEC 61850 Mode- MMS Server Max. number of client connections- 16 Max. number of data records- 99 Max. number of reports- 99 Max. number of data objects- 1200 points Memory Number of supported data points- 1,200 points microSD slot- Up to 32 GB (SD 2.0 compatible) Power supply parameters Input voltage- 12 to 48 VDC Input current- 455 mA @ 12 VDC Power supply connection- Screwable Euroblock terminal Relay Nominal contact current- Resistive load: 2 A @ 30 VDC Physical characteristics Housing- Metal Protection class- IP30 Dimensions- 36 x 120 x 150 mm (1.42 x 4.72 x 5.91 in) Weight- 517 g (1.14 lb) Environmental conditions Operating temperature- -40 to 75°C (-40 to 167°F) Storage temperature (in packaging)- -40 to 85°C (-40 to 185°F) Relative humidity- 5 to 95% (non-condensing) Standards and certifications EMC- EN 55032/35 EMI- CISPR 32, FCC Part 15B Class A EMS- IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV- IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m- IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV- IEC 61000-4-5 Surge: Power: 2 kV; Signal: 4 kV- IEC 61000-4-6 CS: 10 V/m- IEC 61000-4-8 PFMF: 100 A/m Safety- IEC 60950-1- IEC 62368-1- UL 60950-1- UL 62368-1 Free fall- IEC 60068-2-32 Shock- IEC 60068-2-27- IEC 61850-3 Edition 2.0 Power Substation- IEEE 1613- IEC 61850-3 Vibration- IEC 60068-2-64- IEC 60068-2-64- IEC 61850-3 Edition 2.0 MTBF Time- 1,180,203 hours Standards- Telcordia SR332

Specifications

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