Item no.: 384605

MGATE 5109-T - Modbus to DNP3 gateway with 1 connection, operating temperature -40 to 75 °C

from **670,79 EUR**

Item no.: 384605
shipping weight: 0.50 kg
Manufacturer: MOXA

📄 Product Description

Whether one 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, -40 to 75°C operating temperatureEthernet interface10/100BaseT(X) ports (RJ45 connection)- 2- Auto MDI/MDI-X connectionMagnetic isolation protection- 1.5 kV (built-in)Ethernet software featuresIndustrial protocols- Modbus TCP Client (Master)- Modbus TCP Server (Slave)- DNP3 TCP Master- DNP3 TCP OutstationConfiguration options- Web Console (HTTP/HTT)- Web Console (HTTP/HTTPS)- Device Search Utility (DSU)- Telnet ConsoleManagement- ARP- DHCP Client- DNS- HTTP- HTTPS- SMTP- SNMP Trap- SNMPv1/v2c/v3- TCP/IP- Telnet- SSH- UDP- NTP ClientMIB- RFC1213, RFC1317Time management- NTP clientSecurity functionsAuthentication- Local databaseEncryption- HTTPS- AES-128- AES-256-SHA-256Security protocols- SNMPv3- SNMPv2c TrapHTTPS (TLS 1.3)Serial interfaceConsole connection- RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)Number of ports Ports- 1Connector- DB9 connectorSerial standards- RS-232/422/485Baud rate- 50 bps to 921.6 kbpsData bits- 7, 8Parity- None- Even- Odd- Space- MarkStop bits- 1, 2Flow Control- RTS Toggle (RS-232 only)- RTS/CTSRS-485 Data Direction Control- Automatic Data Direction Control (ADDC)Pull High/Low Resistor for RS-485- 1 Kiloohm, 150 Kilo-OhmTerminating Resistor for RS-485- 120 OhmIsolation- 2 kV (built-in)Serial SignalsRS-232- TxD, RxD, RTS, CTS, DTR, DSR, DCD, GNDRS-422- Tx+, Tx-, Rx+, Rx-, GNDRS-485-2w- Data+, Data-, GNDRS-485-4w- Tx+, Tx-, Rx+, Rx-, GNDSerial software functionsConfiguration options- Serial consoleIndustrial protocols- Modbus RTU/ASCII Master- Modbus RTU/ASCII Slave- DNP3 Serial Master- DNP3 Serial OutstationModbus RTU/ASCIIMode- Master, SlaveSupported functions- 1, 2, 3, 4, 5, 6, 15, 16, 23Max. number of commands - 100 Number of commands- 100Modbus TCPSupported functions- 1, 2, 3, 4, 5, 6, 15, 16, 23Mode- Client (master), Server (slave)Max. number of client connections - 1, 2, 3, 4, 5, 6, 15, 16, 23 Number of client connections- 16Max. Max. number of server connections- 32Max. number of commands - 100 Max. number of commands-100DNP3 (Transparent)Max. number of master connections - 100 Max. number of master connections- 16Max. number of outstation connections Max. number of outstation connections- 32DNP3 SerialMode- Master, OutstationMax. number of master connections - 100 Max. number of master connections- 1Max. number of outstation connections Max. number of outstation connections- 31Internal 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: 1024DNP3 TCP/UDPMode- Master, outstationMax. Number of master connections- 1Max. Max. number of outstation connections- 32Internal 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: 1024MemorymicroSD slot- Up to 32 GB (SD 2.0 compatible)Power supply parametersInput voltage- 12 to 48 VDCInput current- 455 mA @ 12 VDCPower supply connection- Screwable Euroblock terminalRelayContact current measurement-Resistive load: 2 A @ 30 VDCPhysical propertiesHousing- MetalProtection class- IP30Dimensions- 36 x 105 x 140 mm (1.42 x 4.14 x 5.51 in)Weight- 507 g (1.12 lb)Environmental conditionsOperating 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 certificationsEMC- EN 55032/35EMI- CISPR 32, FCC Part 15B Class BEMS- 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 PFMFSafety- EN 62368-1- UL 508Hazardous areas- ATEX- Class I Division 2- IECExFree fall- IEC 60068-2-32Shock- IEC 60068-2-27Vibration- IEC 60068-2-6- IEC 60068-2-64MTBFTime- 888,926 hoursStandards- Telcordia SR332

📄 Specifications