

Item no.: 384723

## MGATE 5103 - 1-port ModbusEtherNetIP-to-PROFINET gateway, 0 to 60C operating temperature

from **534,67 EUR**

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shipping weight: 0.50 kg  
Manufacturer: MOXA



### Product Description

PROFINET gatewaysOur industrial PROFINET gateway solutions from MGate make it easy to connect fieldbus devices to a PROFINET network.1-Port Modbus/EtherNet/IP to PROFINET gateway, 0 to 60°C operating temperatureEthernet interface- 10/100BaseT(X) ports (RJ45 connection): 2- Auto MDI/MDI-X connection- Magnetic isolation protection: 1.5 kV (built-in)Ethernet software functions- Industrial protocolsPROFINET IO deviceModbus TCP client (master)Modbus TCP server (slave)EtherNet/IP adapter- Configuration options Configuration optionsWeb console (HTTP/HTTPS)Device Search Utility (DSU)Telnet console- ManagementARPDHCP clientDNSHTTPTHPPSSMTSPSNMP TrapSNMPv1/v2c/v3TCP/IPTelnetSSHUDPNTTP client- MIB: RFC1213, RFC1317-Time management: NTP clientSecurity functions- Authentication: Local database- EncryptionHTTPSAES-128AES-256SHA-256- Security protocolsSNMPv3SNMPv2c TrapHTTPS (TLS 1.3)Serial interface- Console connection: RS-232 (Tx, Rx, GND), 8-pin RJ45 (115200, n, 8, 1)- Number of connections: 1- Connection: DB9 connector- Serial standards: RS-232/422/485- Baud rate: 50 bps to 921.6 kbps- Data bits: 7, 8- ParityNoneEvenOddSpaceMark- Stop bits: 1, 2- Flow ControlRTS Toggle (RS-232 only)RTS/CTSRS-485 Data Direction ControlAutomatic Data Direction Control (ADDC)Pull High/Low Resistor for RS-4851 Kilo-Ohm, 150 Kilo-OhmTerminating resistor for RS-485120 OhmsIsolation2 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-, GNDSerial software functions- Configuration options: Serial console- Industrial protocols- Modbus RTU/ASCII Master- Modbus RTU/ASCII SlaveModbus RTU/ASCII- Mode: Master, Slave- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. Number of commands: 128- Input data size: 512 bytes- Output data size: 512 bytesModbus TCP- Mode: Client (master), Server (slave)- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. Max. number of client connections: 16- Max. number of server connections: 32- Max. number of server connections: 32- Max. number of commands: 128 Number of commands: 128- Input data size: 512 bytes- Output data size: 512 bytesPROFINET- Mode: IO Device- Max. Number of IO controller connections: 1 (for read/write)- Input data size: 512 bytes- Output data size: 512 bytesEtherNet/IP- Mode: Adapter- Supported CIP objectsIdentityMessage RouterAssemblyMemory- 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 terminalRelay- Rated contact current: Resistance load: 2 A @ 30 VDCPhysical properties- Housing: Metal- IP 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 conditions- Operating temperature: 0 to 60°C (32 to 140°F)- Storage temperature (including 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 B- EMSIEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/mIEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kVIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kVIEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/mIEC 61000-4-8 PFMF- Safety:EN 62368-1UL 50- 8Hazardous areas: ATEXClass I Division 2IECEX- Free fall: IEC 60068-2-32Shock: IEC 60068-2-27Vibration: IEC 60068-2-6IEC 60068-2-64MTBF- Time: 859,422 hours- Standards: Telcordia SR332

### Specifications

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All details, up-to-date  
prices and availability

