

Item no.: 384720

## MGATE 5101-PBM-MN-T - 1-port PROFIBUS master to Modbus TCP gateway, 12 to 48 VDC

from **1.150,16 EUR**

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shipping weight: 0.50 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 PROFIBUS master to Modbus TCP gateway, 12 to 48 VDC, -40 to 75°C operating temperature Ethernet interface 10/100BaseT(X) ports (RJ45 connection) - 1 (Auto-MDI/MDI-X connection) Magnetic isolation protection - 1.5 kV (built-in) Ethernet software functions Industrial protocols - Modbus TCP Client (Master) - Modbus TCP Server (Slave) Configuration options - Web console (HTTP/HTTPS) - Device Search Utility (DSU) - Device Search Utility (DSU) - MGate Manager - Telnet Console Administration - 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, RTS, CTS, DTR, DSR, DCD, GND), DB9 connector (115200, n, 8, 1) Serial software functions Configuration options - Serial console Industrial protocols - PROFIBUS DP-V1 Master Modbus TCP Mode - Client (Master), Server (Slave) Supported functions - 1, 2, 3, 4, 5, 6, 15, 16, 23 Max. Number of client connections - 16 Max. No. of server connections - 32 Max. No. of Commands - 100 Input Data Size - 1536 bytes Output Data Size - 1536 bytes PROFIBUS Interface Industrial Protocols - PROFIBUS DP No. of Ports - 1 Connector - DB9 Socket Signals - PROFIBUS D+, PROFIBUS D-, RTS, Signal Common, 5V Baud rate - 9600 bps to 12 Mbps Isolation - 2 kV (built-in) PROFIBUS Mode - DP-V1 Master Input data size - 1536 bytes Output data size - 1536 bytes Performance parameters Input voltage - 12 to 48 VDC Input current - 365 mA @ 12 VDC Power connection - Screwable Euroblock terminal Relay Contact current rating - Resistive load: 2 A @ 30 VDC Physical properties Housing - Metall IP protection class - IP30 Dimensions - 36 x 105 x 140 mm (1.42 x 4.14 x 5.51 in) Weight - 500 g (1.10 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: 4 kV; Air: 8 kV - IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m - IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV - IEC 61000-4-5 Surge: Power: 2 kV - IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m - IEC 61000-4-8 PFMFS Safety - IEC 60950-1 - UL 60950-1 - EN 62368-1 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 - 1,082,881 hours Standards - Telcordia SR332

### Specifications

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All details, up-to-date  
prices and availability

