

Item no.: 384718

## MGATE 4101-MB-PBS-T - 1-port Modbus-to-PROFIBUS slave gateway, 12 to 48 VDC, -40 to 75C operating temperature

from **708,29 EUR**

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shipping weight: 0.50 kg  
Manufacturer: MOXA



### Product Description

Connecting industrial serial devices in a system can be done quickly, easily and reliably with our fieldbus gateway solutions. Thanks to their intelligent functionality, you can connect your Modbus and PROFIBUS devices effortlessly. Serial interface- Console port: RS-232 (TxD, RxD, GND), 8-pin RJ45 (115200, n, 8, 1)- Number of ports: 1- Connection: 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: DTR/DSR, 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 ohms- Insulation: 2 kV (I models)Serial signals- RS-232: TxD, RxD, 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: MGate Manager- Industrial protocols: Modbus RTU/ASCII Master, Modbus RTU/ASCII Slave, PROFIBUS DP-V0 SlaveModbus RTU/ASCII- Mode: Master, Slave- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. Number of commands: 100- Input data size: 7744 bytes- Output data size: 7744 bytesPROFIBUS interface- Industrial protocols: PROFIBUS DP- Number of ports: 1- Connector: DB9 socket- Baud rate: 9600 bps to 12 Mbps- Isolation: 2 kV (built-in)- Signals: PROFIBUS D+, PROFIBUS D-, RTS, Signal Common, 5VPROFIBUS- Rotary switch: PROFIBUS addresses 0-99 (addresses 100-125 are supported by software configuration)- Mode: DP-V0 Slave- Max. Max. number of master connections: 1- Max. number of PROFIBUS I/O modules Max. number of PROFIBUS I/O modules: 24 per page- Max. Max. number of PROFIBUS pages: 32- Input data size: 7744 bytes- Output data size: 7744 bytesPower parameters- Input voltage: 12 to 48 VDC- Input current: 275 mA @ 12 VDC- Power connection: Screwable Euroblock terminalRelay- Current carrying capacity of contacts: Resistive load: 1 A @ 24 VDCPhysical properties- Housing: Metal- Dimensions: 36 x 105 x 140 mm (1.42 x 4.14 x 5.51 in)- Weight: 500 g (1.10 lb)- IP rating: IP30 (Note: It is recommended to fix the M3x3mm Nylok screws on the rear panel)Environmental conditions- Operating temperature: -40 to 75°C (-40 to 167°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 A- EMS: IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/mIEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 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: IEC 60950-1UL 60950-1IEC 62368-1UL 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 60068-2-64MTBF- Time: MGate 4101-MB-PBS models: 1,537,948 hrs, MGate 4101I-MB-PBS models: 1,315,666 hrs- Standards: Telcordia SR332

### Specifications

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All details, up-to-date  
prices and availability

