Item no.: 384622

MGATE 5135-T - 1 and 4-port Modbus RTU/ASCII/TCP-to-EtherNet/IP gateways

from **622,72 EUR**

Item no.: 384622
shipping weight: 0.70 kg
Manufacturer: MOXA

📄 Product Description

The MGate 5135/5435 gateways are industrial Ethernet gateways with 1 or 4 ports for Modbus RTU/ASCII/TCP and EtherNet/IP network communication. To integrate existing Modbus devices into an EtherNet/IP network, use the MGate 5135/5435 gateway as a Modbus client to collect and exchange data with the EtherNet/IP host. All models are protected by a robust and compact metal housing, can be mounted on a DIN rail and offer integrated serial isolation. The robust design is suitable for industrial applications such as factory automation, energy, oil and gas, water and wastewater and other process automation industries.Easy configurationThe MGate 5135/5435 gateways are equipped with a web console that enables easy configuration without the need to install an additional utility. In addition, the HTTPS encryption of communication ensures greater network security. In most data acquisition applications, configuring devices with Modbus commands can be time-consuming and costly. The MGate 5135/5435 gateways offer offline configuration via a CSV file so that Modbus settings can be made quickly. The MGate gateways also offer software configurable pull high/low and termination resistor settings for RS-485 2-wire to reduce the effort and need to open the enclosure.Easy troubleshootingThe MGate 5135/5435 gateways offer a variety of maintenance features to reduce the time and cost of troubleshooting, including LED indicators, log diagnostics, traffic monitor and tag view. These tools help you collect and review data to easily identify the cause of problems, especially during the installation phase. The MGate gateways also have status monitoring and error protection functions. The status monitoring function notifies a PLC/PLS/SCADA system if the connection to a Modbus device is interrupted or if it does not respond. In this case, the process PLC/PLS receives the status of each end device and then issues alarms to inform the operators. The fault protection function performs actions predefined by the user when a host is disconnected to prevent the end devices from being offline for an extended period of time.Ethernet interface- 10/100BaseT(X) ports (RJ45 connector): 2 Auto MDI/MDI-X connection- Magnetic isolation protection: 1.5 kV (built-in)Ethernet software functions- Industrial protocols: Modbus TCP client, EtherNet/IP adapter- Configuration options: Web Console (HTTPS), Device Search Utility (DSU)- Management: ARP, DHCP Client, DNS, HTTP, HTTPS, SMTP, SNMP Trap, SNMPv1/v2c/v3, TCP/IP, UDP- MIB: RFC1213, RFC1317- Time management: NTP ClientSecurity functions- Authentication: Local database- Encryption: HTTPS, AES-128, AES-256, SHA-256- Security protocols: SNMPv3, SNMPv2c Trap, HTTPS (TLS 1.3)Serial interface- Number of ports: MGate 5135/5135-T: 1, MGate 5435/5435-T: 4- Connection: DB9 connector- Serial standards: RS-232/422/485- Baud rate: 300 bps to 921.6 kbps- Data bits: 7, 8- Parity: None, Even, Odd, Space, Mark- Stop bits: 1, 2- Flow control: RTS Toggle (RS-232 only), RTS/CTS- RS-485 data direction control: ADDC (automatic data direction control)- Pull high/low resistance for RS-485: 1 kilo-ohm, 150 kilo-ohm, software configurable- Terminating resistor for RS-485: 120 ohm, software configurable- Isolation: 2 kV (built-in)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- Industry protocols: Modbus RTU/ASCII ClientModbus RTU/ASCII- Mode: Client- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. number of server connections: 31. Max. number of server connections: 31- Max. number of commands: 128 per serial port Number of commands: 128 per serial portModbus TCP- Mode: Client- Supported functions: 1, 2, 3, 4, 5, 6, 15, 16, 23- Max. numberof server connections: 32Max. number of server connections: 32- Max. Max. number of commands: 128- Total size of output data: MGate 5135: 2048 bytes, MGate 5135-T: 2048 bytes, MGate 5435: 4000 bytes, MGate 5435-T: 4000 bytes- Total size of input data: MGate 5135: 2048 bytes, MGate 5135-T: 2048 bytes, MGate 5435: 4000 bytes, MGate 5435-T: 4000 bytesEtherNet/IP- Mode: Adapter- Supported CIP objects: Identity, Message Router, Assembly, Connection Manager, TCP/IP Interface, Ethernet Link, Port- Max. Number. Scanner connections: MGate 5135/5135-T: 4 (read/write), MGate 5435/5435-T: 8 (read/write)- Input data size MGate 5135: 496 bytes/connection (total: 1984 bytes) bytes- Input data size MGate 5135-T: 496 bytes/connection (total: 1984 bytes) Bytes- Input data size MGate 5435: 496 bytes/connection (total: 3968 bytes) Bytes- Input data size MGate 5435-T: 496 bytes/connection (total: 3968 bytes) Bytes- Output data size MGate 5135: 496 bytes/connection (total: 1984 bytes) Bytes- Output data size MGate 5135-T: 496 bytes/connection (total: 1984 bytes) Bytes- Output data size MGate 5435: 496 bytes/connection (total: 3968 bytes) bytes- Output data size MGate 5435-T: 496 bytes/connection (total: 3968 bytes) bytesMemory- microSD Slot: Up to 32 GB (SD 2.0 compatible)Performance parameters- Input voltage: 12 to 48 VDC- Input current: 455 mA (max)- Power connection: Spring Euroblock terminalRelay- Contact current rating: Resistive load: 2 A @ 30 VDCPhysical properties- Housing: Metal- IP protection class: IP30- Dimensions MGate 5135/5135-T: 25 x 90 x 130 mm (0.98 x 3.54 x 5.1 in)- Dimensions MGate 5435/5435-T: 42 x 90 x 130 mm (1.65 x 3.54 x 5.1 in)- Weight MGate 5135/5135-T: 294 g (0.65 lb)- Weight MGate 5435/5435-T: 403 g (0.89 lb)Environmental conditions:- Operating temperature standard models: -10 to 60°C (14 to 140°F)- Operating temperature wide temp. models: -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- Safety: EN 61010-2-201, UL 61010-2-201- EMC: EN 61000-6-2/-6-4- EMI: 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: 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 PFMF- Free fall: IEC 60068-2-31- Shock: IEC 60068-2-27- Vibration: IEC 60068-2-6, IEC 60068-2-64MTBF- Time MGate 5135/5135-T: 1.240,821 hrs- Time MGate 5435/5435-T: 689,989 hours- Standards: Telcordia SR332

📄 Specifications