Item no.: 384618
MGATE 5123-T - 1-port CANopen/J1939-to-PROFINET gateways

from **744,39 EUR**

Item no.: 384618
shipping weight: 0.30 kg
Manufacturer: MOXA

📄 Product Description

The MGate 5123 is an industrial Ethernet gateway for converting CANopen or J1939 to PROFINET network communication. To integrate existing CANopen or J1939 devices into a PROFINET network, use the MGate 5123 as a CANopen or J1939 master to collect and exchange data with the PROFINET IO controller. All models are protected by a robust and compact metal housing and can be mounted on a DIN rail. The robust design is suitable for industrial applications such as factory automation and other process automation industries.Easy configurationThe MGate 5123 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 higher network security.In most data acquisition applications, the configuration of CANopen devices can be time-consuming and increase costs. The MGate 5123 gateways provide an EDS file import function, and the user can automatically scan the CANopen devices to quickly finalise the settings. The MGate gateways offer software configurable terminator settings for CANbus to reduce effort by eliminating the need to open the enclosure.Easy troubleshootingThe MGate 5123 gateways offer a variety of maintenance features to reduce the time and cost of troubleshooting, including LED indicators, log diagnostics, traffic monitoring 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 fault protection functions. The status monitoring function notifies a PLC/PLS/SCADA system if the connection to a CAN 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 going offline for an extended period of time.Ethernet interface- 10/100BaseT(X) ports (RJ45 connector): 2, Auto MDI/MDI-X connector- Magnetic isolation protection: 1.5 kV (built-in)Ethernet software feature- Industrial protocols: PROFINET IO Device- 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- 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)CAN interface- Number of ports: 1- Connection: spring euroblock terminal- Standards: ISO 11898-2- Baud rate: CANopen: 10 kbps, 20 kbps, 50 kbps, 125 kbps, 250 kbps, 500 kbps, 800 kbps, 1 Mbps- Baud rate J1939: 250 kbps, 500 kbps, 1 Mbps- Terminating resistor: 120 Ohm, configurable via software- Signals: CAN_H, CAN_L, GND, Ext_CAN_H, Ext_CAN_L, CAN_ShieldCAN software features- Industrial protocols: CANopen Master, J1939CANopen- Mode: Master- Max. Number of nodes: 64- Max. Max. number of receive PDOs: 256- Max. number of transmit PDOs: 256 Max. number of transmit PDOs: 256- SDOs: Supported- Input data size: 2048 bytes- Output data size: 2048 bytesJ1939- Max. number of commands: 256 - Max. Number of commands: 256- Input data size: 2048 bytes- Output data size: 2048 bytesPROFINET- Mode: IO Device Class B- Max. number of master connections: 2. Number of master connections: 2 IO controllers (shared devices)- Input data size: 1440 bytes (bytes per IO controller, total: 2880 bytes)- Output data size: 1440 bytes (bytes per IO controller, total: 2880 bytes)Memory- 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: 25 x 90 x 129.6 mm (0.98 x 3.54 x 5.1 in)- Weight: 294 g (0.65 lb)Environmental Limits- Operating Temperature: MGate 5123: -10 to 60°C (14 to 140°F), MGate 5123-T: -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: 1.408,984 hrs- Standards: Telcordia SR332

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability