

CME/PN

PROFINET CANopen Gateway

The IXXAT CME/PN is a powerful and easily configurable gateway for connecting CANopen devices and networks to PROFINET systems. The gateway enables bi-directional data exchange allowing for both the integration of existing, low-cost CANopen devices into PROFINET systems as well as the provision of data from PROFINET for use in CANopen. At this, the gateway operates as a PROFINET I/O device and uses slots and sub-slots for data exchange. On the CANopen side, the device acts as a CANopen NMT master with PDO and SDO support.



The gateway configuration is accomplished easily by using the IXXAT configuration tool which is included free of charge. The configuration tool automatically generates a CDC configuration file for the CANopen network as well as a GSDML file for Profinet.

The CANopen configuration is based on EDS files. The GSDML file allows for simple gateway integration into PROFINET networks and the access of PLC applications to the gateway. At this, the gateway is represented as a single I/O device. All data on the CANopen side which is exchanged through the gateway with the PROFINET network are defined in the GSDML file as variables with variable name, data size and data direction. This unprecedented dual side approach simplifies the configuration significantly.

The gateway has an integrated 2-port switch, thus allowing easy integration into line topologies. The connection to the CANopen bus and the power supply is made using screw terminals. Device configuration and firmware upgrades can be made via a USB 2.0 port.

Technical Data

CPU	STM32F407
PROFINET interface	2 x 100 Mbit/s Ethernet via RJ45 plugs
Switch	Integrated 2 port switch
CAN bus interface	Galvanically isolated. Connection via screw terminals.
Configuration interface	USB
Temperature range	-20 °C ... +70 °C
Current supply	9-32 V DC, 3 W
LEDs	Power, Host status, Module status, Protocol status, CAN-1 status, CAN-2 status
Certification	CE, FCC
Housing	Plastic housing for top hat rail mounting
Size	approx. 22,5 x 100 x 115 mm

Order number

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