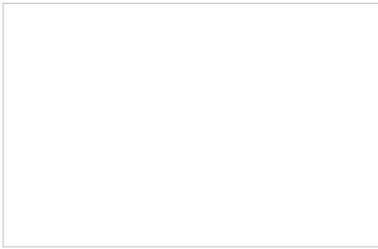


## Profinet-to-CANopen gateway

**The COP-CON 220/PN gateway device by Ixxat (Germany) links CANopen networks to the Ethernet-based Profinet-IO. The device enables bi-directional data exchange between the communication systems.**



THE GATEWAY OPERATES AS A PROFINET-IO 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 by using a free-of-charge configuration tool from Ixxat. The configuration of the CANopen devices as well as the establishment of communication links requires EDS files. In addition to the configuration file necessary for the CANopen side (CDC file), the tool also automatically generates a GSDML file. The GSDML file enables the integration into Profinet 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 name, data size, and data direction.

The gateway features a 32-bit micro-controller, which is able to process large amounts of data. The DIN-rail housing, a temperature range of -40 °C to +85 °C, and a supply voltage range of 9 V to 32 V are further features. The device and communication status are indicated by LEDs. The gateway has an integrated 2-port switch, thus allowing integration into line topologies. The connection to the CANopen network and the power supply is made using screw terminals. Device configuration and firmware upgrades can be made via the USB 2.0 port.