



Features

- ✓ CANopen Master according to CANopen® protocol DSP 301
- ✓ Up to 126 CANopen slaves with up to 16 TPDOs / 16 RPDOs each
- ✓ Up to 1420 bytes input and 1420 bytes output data on PROFINET
- ✓ Up to 1 Mbit/s CAN bit rate
- ✓ Heartbeat, Nodeguarding, SYNC
- ✓ PROFINET Conformance Class C
- ✓ Media redundancy (MRP client)
- ✓ Configuration via GSDML file
- ✓ No handling blocks or parameterization software necessary
- ✓ USB device interface for online diagnosis and firmware update
- ✓ slim design

PROFINET/CAN-Gateway SLIM, CANopen Master

The PN/CAN gateway SLIM enables simple and straightforward connection of CAN devices to a PROFINET network. On the CAN side, various CAN protocol variants are supported.

The PN/CAN gateway SLIM, CANopen represents a full-featured CANopen master. As a master, the gateway supports network management, SYNC telegrams, nodeguarding/heartbeat for monitoring the nodes and LSS services. Up to 16 PDOs can be configured per CANopen slave. The parameterization of the CANopen nodes via SDO telegrams and the management of emergency messages is also possible.

On the PROFINET network, the PN/CAN gateway is a PROFINET I/O device and supports transmission rates of up to 100 Mbit full duplex; on the CAN bus, up to 1 Mbit/s is supported.

The I/O data of the CAN nodes are mapped transparently and freely configurable into the PROFINET network and can thus be processed directly in the PLC. The PN/CAN gateway is integrated into the hardware configurator with a GSDML file and can be fully configured there. Further software tools for parameterization, or handling blocks for programming, are not necessary, which makes the use of the gateway uncomplicated.

The features MRP (media redundancy) as well as extensive diagnostic functions and an interface for online diagnostics complete the performance characteristics of the PN/CAN gateway.

General Information

Order-no.

700-670-PNC51

Name	PROFINET/CAN-Gateway SLIM, CANopen Master
Scope of delivery	PROFINET/CAN-Gateway SLIM with Power Plug
Dimensions (D x W x H)	65 x 25 x 109 mm
Weight	Approx. 160g

PROFINET-interface

Number	1
Connection	2x RJ45, integrated Switch
Transmission rate	100 MBps, full duplex
Protocol	PROFINET IO Device as defined in IEC 61158-6-10
I/O image size	max. 1440 bytes inputdata / 1440 bytes outputdata
Features	PROFINET Conformance Class C, Media redundancy (MRP client), Automatic addressing, Topology detection (LLDP, DCP), Diagnosis alarms

CAN-interface

Number	1
Type	ISO/DIN 11898-2 CAN High Speed physical Layer
Connection	9-pin D-sub male connector
Baud rate	10, 50, 100, 125, 250, 500, 800, 1000 kbps
Protocol	CANopen master as defined in DSP301 V4.2
Number of slaves	126
TPDOs / RPDOs per slave	16 / 16

USB interface

Protocol	USB 2.0 Device, Full Speed
Connection	USB-C
Electrically isolation	500 V

Status indicator

Function status	4 LEDs, bi-color
Ethernet status	4 LEDs

Power supply

Operating voltage	24 V DC, 18 - 30 V DC
Current draw	max. 105mA at 24 V DC

Power dissipation	max. 2,6 W
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Ambient conditions

Ambient temperature	-40°C bis +75°C
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Transport and storage temperature	-40°C bis +80°C
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Relative humidity	95% without condensation
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Pollution degree	2
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Protection rating	IP 20
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Mounting position	as desired
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Approvals	CE
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