



AnaGate PROFINET CAN PROFINET to CAN Gateway

Product overview

The AnaGate PROFINET CAN of Analytica GmbH is a freely configurable CAN to PROFINET gateway, which can interconnect two independent different bus. It provides easy access to the CAN bus protocol via a standard PROFINET IO interface.

CAN PROFINET gateway

The AnaGate PROFINET CAN acts as link between a CAN bus network and a PROFINET IO controller. It can be used to access an existing CAN-based controlling system by ethernet-based PROFINET IO, which is a widely accepted industrial communication standard.

To make this possible, arbitrary CAN telegrams have to be converted to the IO based PROFINET protocol. In order to assure the greatest flexibility when adapting, the CAN telegrams are copied by

the gateway to a fix structure in the process image of the programming logic controller (PLC).

Fundamental interface functionality

The AnaGate PROFINET CAN supports up to 8 slots to receive and 8 slots to send CAN messages. A slot is a group of PROFINET IOs, which contains the data of a single CAN telegram in the present case.

Incoming CAN telegrams can be filtered by an input mask, only a telegram with matching CAN ID is to be copied to the corresponding receive slot. For each outgoing CAN telegram the CAN id have to be specified in the sending slot.



Technical data

Housing:	DIN rail casing	TS 35 (EN 50022) / DIN rail 35
	Material	Polycarbonate
	Protection class	IP20
	L x B x H	62,2mm x 53,6mm x 89,7mm
Power supply	Input voltage	9V-28V direct current, reverse polarity protected
	Power consumption	max. 1.5W
CAN Bus:	Baud rate	10, 20, 50, 100, 125, 250, 500, 800, 1000 kbps
	Termination	activatable via DIP switch
	Interface	4 pole plug connector with screw terminals
PROFINET:	Baud rate	100 Mbps
	Port switches	2
	Interface	RJ45 socket
	Vendor ID	0x287
Ambient conditions:	Storage	-40 .. 85 °C
	In operation	-20 .. 60 °C
	Relative humidity	10 - 90%, without condensation
Norms	EC directives	RoHS, CE
	Interference emission	EN6100-6-4 (industrial)
	Interference immunity	EN6100-6-2 (industrial)

Ordering information

Order number	Scope of delivery
GT-PFN-CAN	AnaGate PROFINET CAN including CD-Rom with documentation and device description file (GSDML), 1x 4 pole plug connector with screw terminals (CAN bus and power supply)