



AnaGate PROFINET Z-Card PROFINET Intelliveyor Gateway

Product overview

The AnaGate PROFINET Z-Card of Analytica GmbH is designed to interconnect a programming logic controller (PLC) to the Z-Card control board of Interroll Automation GmbH. The AnaGate PROFINET Z-Card provides easy access to the propriorty CAN bus protocol of the Z-Card via a standard PROFINET interface.

Interroll Intelliveyor

Intelliveyor is the name of a modular conveyor system with integrated accumulating conveyor technology. It enables unit loads to be conveyed and accumulated with zero pressure, i.e. without ever touching each other.

The fact that this is so easy to achieve lies in the Z-Card, a proven 24 Volt control PCB. It handles the control of the conveyor line divided in individual zones and communication along the material flow.

For connection to a higher order control a CAN bus interface is available on the Z-Card. Up to date information of a Z-Card can be obtained (motor status, sensor status, etc.). It is also possible to influence the functions of the control here (e.g. merging or diverting behaviour).

Access to the CAN bus can be made by a standard CAN bus gateway. Interroll recommends a device of the AnaGate CAN series, which provides access to the CAN bus by standard ethernet protocol.

PROFINET interface for Intelliveyor

If the connection to Intelleveyor is to be made by PROFINET a new hardware solution is now available: the AnaGate PROFINET Z-Card. This product provides easy access to the propriorty CAN bus protocol of the Z-Card via a standard PROFINET interface.

The current state of all actuators and sensors of up to 32 Z-Card control boards are saved locally on the AnaGate PROFINET Z-Card in a process image which is exchanged with a higher controlling device via the PROFINET interface.

The CAN bus communication to the single Z-Card boards is completely hidden to the controlling PLC, all necessary settings, state changes and monitoring functions on the CAN bus are automatically managed by the AnaGate PROFINET Z-Card.



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	250 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-ZCARD	AnaGate PROFINET Z-Card including CD-Rom with documentation and device description file (GSDML), 1x 4 pole plug connector with screw terminals (CAN bus and power supply)