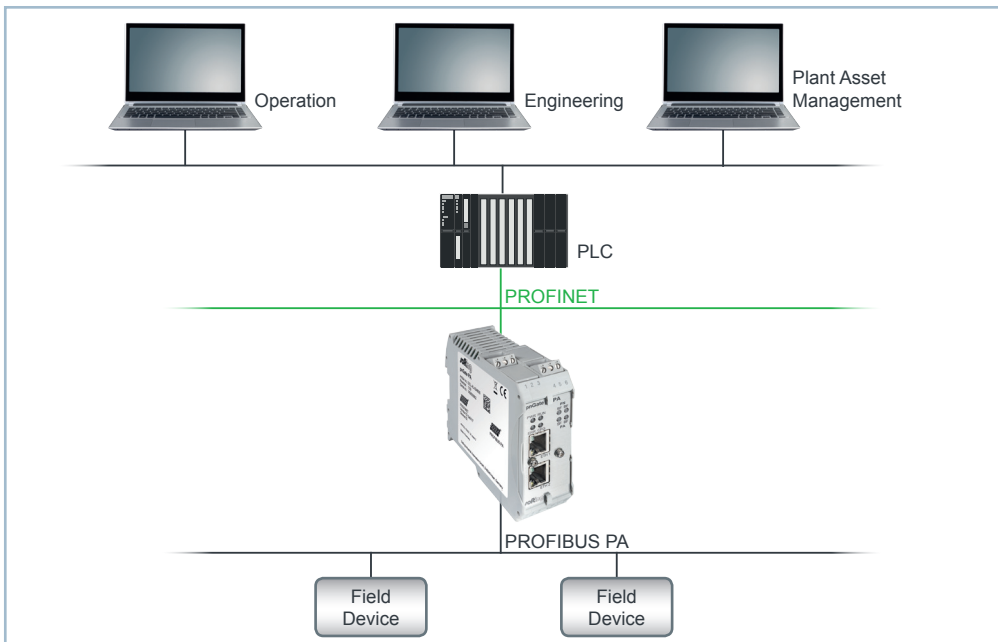


pnGate PA

PROFIBUS PA Segment Integration into PROFINET Networks

Softing's pnGate PA allows the integration of PROFIBUS PA segments into PROFINET-based control systems. The device supports industry-standard device configuration, parameterization and condition-monitoring tools.



No Need for Intermediate PROFIBUS DP Segments

- > Direct integration of PROFIBUS PA devices into PROFINET networks
- > Double functionality as PROFINET Device and PROFIBUS PA Master
- > Support of one or two PROFIBUS PA segments

Addressing Hybrid Industries

- > Connection of process instrumentation to PROFINET-based control
- > Suitable for sewage, food & beverage, pharmaceuticals, chemicals, and pulp & paper applications

Device Configuration, Parameterization, and Operation Based on Industry Standard Tools

- > Support of GSDML-based engineering tools (e.g. Siemens TIA Portal)
- > Usable with Device Type Manager (DTM) frame applications

Easy Commissioning

- > Optional support of R. STAHL bus-Carrier Series 9419 and Fieldbus Power Supply 9412 products (cabling reduced to a minimum)

Technical Data

Hardware	Processor	Altera Cyclone V SoC with dual-core ARM Cortex-A9
	Status LEDs (Gateway)	PWR (power supply), RUN (operation), ERR (error)
	Status LEDs (Fieldbus)	SF (system fault), BF (bus fault)
Interfaces and Connectors	Ethernet	2 * IEEE 802.3 100BASE-TX / 10BASE-T Connectors: RJ45
	PROFIBUS PA	2 PROFIBUS PA segments Fieldbus voltage range: 9 VDC ... 32 VDC, preferred voltage: 24 VDC Connectors: 3-position screw connection, galvanically isolated
Physical Properties	Dimensions (H x W x D)	100 mm x 35 mm x 105 mm
	Weight	Approx. 0.25 kg
	Power Supply	18 VDC ... 32 VDC; SELV/PELV power supply mandatory Typical input current: 200 mA, maximum input current: 1 A (allowing for in-rush current at switch-on) No power supply to PROFIBUS PA segments through pnGate PA
	Operating / Storage Temperature	-40 °C ... +70 °C / -40 °C ... +85 °C (see detailed mounting description in user manual)
	Relative Humidity	10 % ... 95 %, non-condensing
	Cooling	Convection, no fan
	Coating	Conformal coating based on ANSI / ISA-S71.04 G3
	Mounting	DIN rail 35 mm
	Protection Class	IP20
Software	Protocols	PROFINET PROFIBUS PA

Special Presentation Offer

Softing would be pleased to present and discuss the PROFINET-to-PROFIBUS PA coupler approach at your site, optionally showing how individual PROFIBUS PA devices can be accessed from any available PROFINET Controller.

Scope of Delivery

Hardware	pnGate PA gateway
Software	GSDtoGSDML Converter, FDT CommDTM, PACTware, Drivers and Tools
Documentation	On CD-ROM

Order Numbers

GCL-AL-024600	pnGate PA
---------------	-----------

Additional Products and Services

APL-KL-020601	Fieldbus Labkit
---------------	-----------------



Softing Industrial Automation GmbH
Richard-Reitzner-Allee 6
85540 Haar / Germany
Tel.: +49 89 456 56-340
Fax: +49 89 456 56-488
info.automation@softing.com
http://industrial.softing.com

Softing North America Inc.
US Headquarter
7209 Chapman Highway
Knoxville, TN 37920 / USA
Tel.: +1 865 251 52 52
Fax: +1 865 579 47 40
info.usa@softing.com
http://softing.us

Softing Industrial Automation GmbH
Äußere Sulzbacher Straße 159-161
90491 Nuremberg / Germany
Tel.: +49 911 544 27-0
Fax: +49 911 544 27-27
info.automation@softing.com
http://industrial.softing.com

Softing North America Inc.
US Sales Office
29 Water Street, Suite 301
Newburyport, MA 01950 / USA
Tel.: +1 978 499 96 50
Fax: +1 978 499 96 54
info.usa@softing.com
http://softing.us

Buxbaum Automation GmbH
Thomas-Alva-Edison-Straße 1
7000 Eisenstadt / Austria
Tel.: +43 2682 704 560
Fax: +43 2682 205 77 00-5610
office@myautomation.at
http://myautomation.at

Softing Italia Srl
Via Padre Massimiliano Kolbe, 6
20090 Cesano Boscone (MI) / Italy
Tel.: +39 02 450 51 71
Fax: +39 02 450 41 41
info@softingitalia.it
http://softingitalia.it

Your local Softing Contact: