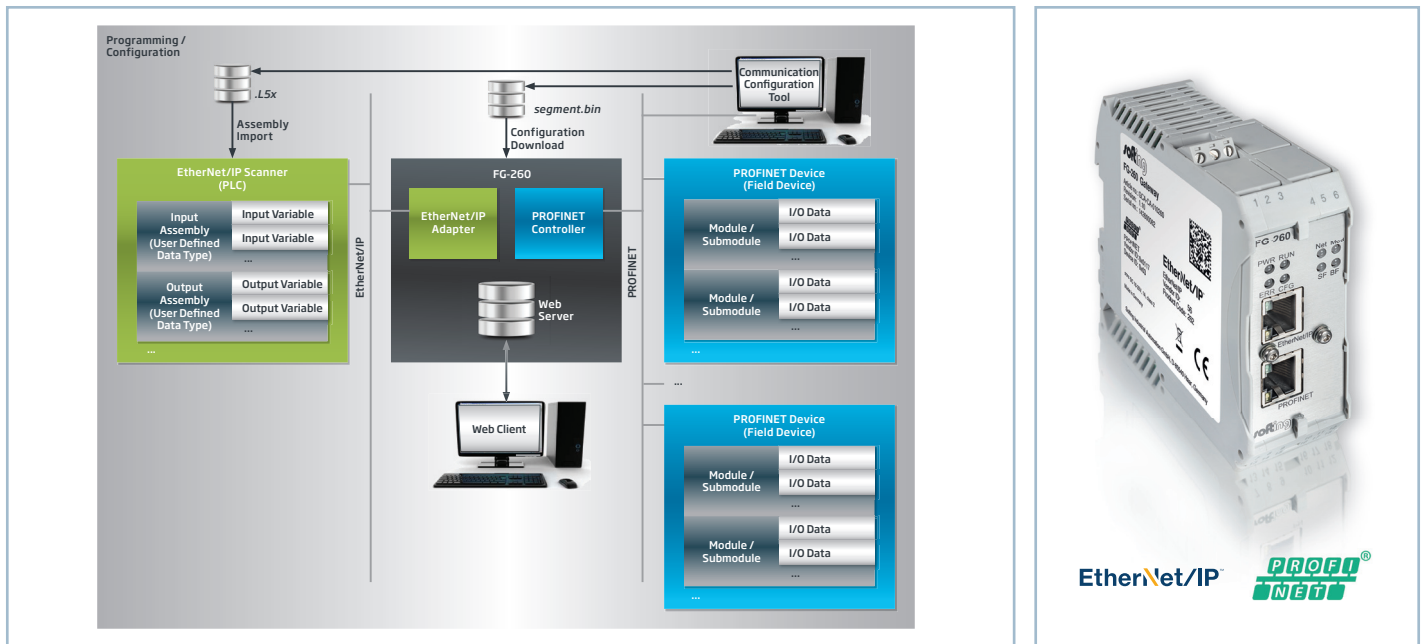


FG-260

EtherNet/IP to PROFINET Gateway with PROFINET Controller Functionality

The FG-260 implements a gateway between EtherNet/IP and PROFINET networks. It supports EtherNet/IP Adapter and PROFINET Controller functionality. The integration in PLC programs is provided via EtherNet/IP means, while the PROFINET communication is defined using a configuration tool. The runtime operation can be monitored and adjusted using a built-in web server.



Simple Integration Through Add-On Instructions

- > Data access of PLC program to PROFINET Devices without requiring detailed PROFINET knowledge
- > Mapping between the two protocols generated by provided tools
- > Use of Add-On Instructions (AOI) containing detailed PROFINET data type definitions
- > Transparent communication overcoming protocol differences

Time Saving Configuration Creation and Verification

- > Configuration tool for online access to PROFINET Devices via the network
- > Easy assignment of device properties
- > Early identification of discrepancies between offline configuration and real situation

Built-In Web Server For Monitoring and Interaction

- > Status information about both protocols
- > Monitoring of mapping as well as of exchanged data
- > Individual modification of FG-260 settings, including address information
- > Download and upload of all FG-260 configuration information using web server

Different Use Cases Addressed

- > Direct access from Ethernet/IP Scanner in the PLC to PROFINET field devices
- > Access to machines with internal PROFINET network by deploying I-Device capabilities

Technical Data

Hardware	Processor	Altera Cyclone V SoC with Dual-core ARM Cortex-A9
	Status LEDs (Gateway)	PWR (power supply), RUN (running), ERR (error), CFG (configuration upload)
	Status LEDs (EtherNet/IP)	Net (network), Mod (module)
	Status LEDs (PROFINET)	SF (system fault), BF (bus fault)
	Connectors	2 x IEEE 802.3 100BASE-TX/10BASE-T (1 Ethernet port per protocol)
	Dimensions (HxWxD)	100 mm x 35 mm x 105 mm
	Weight	About 0.25 kg
	Power Supply	18 VDC ... 32 VDC, SELV/PELV supply mandatory Typically 200 mA, maximum 1 A at switch-on
	Operating Temperature, Horizontal DIN Rail Installation	-40 °C ... 55 °C (0 mm minimum distance) -40 °C ... 65 °C (17.5 mm minimum distance)
	Operating Temperature, Vertical DIN Rail Installation	-40 °C ... 40 °C (0 mm minimum distance) -40 °C ... 50 °C (17.5 mm minimum distance)
	Storage Temperature	-40 °C ... 85 °C
	Relative Humidity	10 % ... 90 %, non condensing
	Cooling	Convection, no fan
	Mounting	DIN Rail (35 mm)
	Housing Type	Phoenix Contact ME MAX 35 mm
	Protection Class	IP20

Software	Protocols	EtherNet/IP Adapter (up to 2 Input Assemblies and 2 Output Assemblies with up to 255 Bytes data each, minimum RPI: 8 ms) PROFINET Controller (up to 8 devices at 1 ms cycle time)
	Additional Functionality	Mapping application, web server
	Supported Versions of Rockwell Automation PLC Programming Software	V16 - V21

Emission Conformity	EC Directive 2004/108/EC "Electromagnetic Compatibility", EN 55011, Group 1, Class A EC Directive 2004/108/EC "Electromagnetic Compatibility", EN 55022, Class A EC Directive 2004/108/EC "Electromagnetic Compatibility", EN 61000, Part 6-4 FCC CFR45, Part 15 Section 15.107 and 15.109 (Class A), VCCI Class A Information Technology Equipment 2002
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Immunity Conformity	EC Directive 2004/108/EC "Electromagnetic Compatibility", EN 61000, Part 6-2
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Certifications	CE EN/IEC 61010-1 and CB EN/IEC 61010-2-201 and CB UL 61010-1 and UL 61010-2-201
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Scope of Delivery

Hardware	Gateway FG-260
Software	EDS File, Communication Configuration Tool on CD-ROM, Search-and-Configure Tool
Documentation	Quick Startup Guide as printed documentation, User Guide on CD-ROM

Order Numbers

GCL-CA-010260	FG-260
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