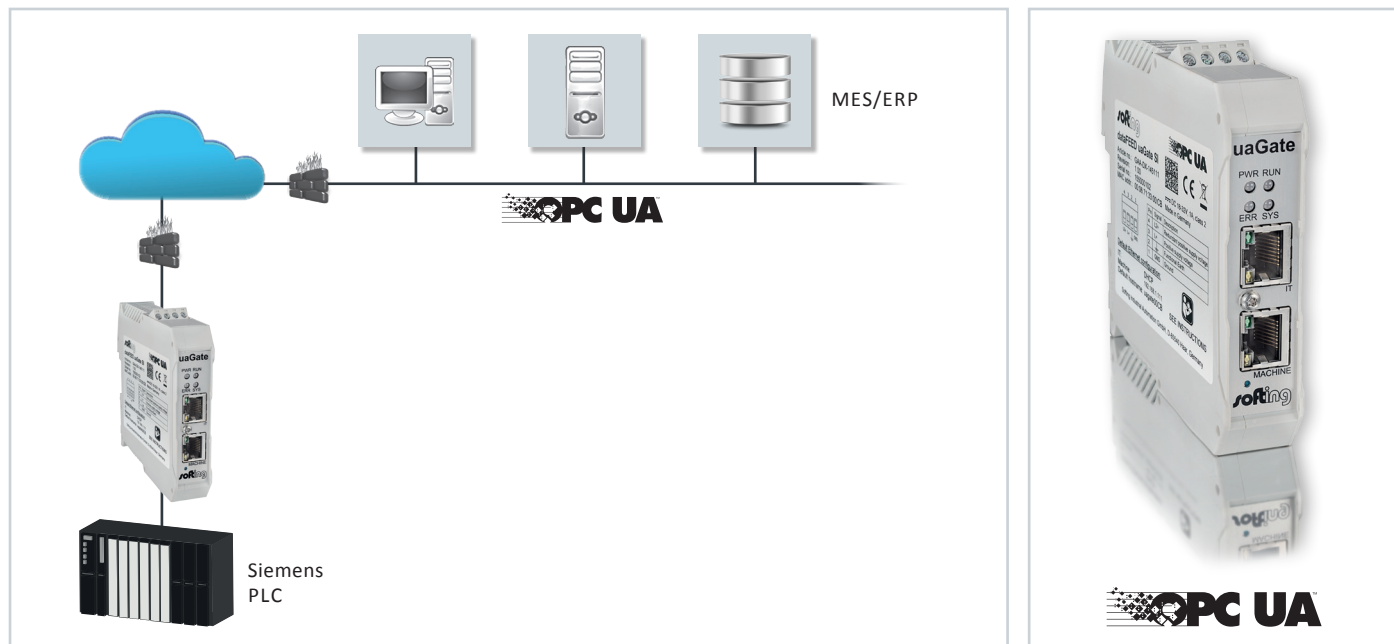


dataFEED uaGate SI

Embedded OPC UA Server Gateway for Siemens PLCs

dataFEED uaGate SI is a gateway to Siemens PLCs that can be integrated into new or existing plants and provides OPC UA Server functionality. It allows the implementation of easy and secure data connectivity with higher-level management systems, such as ERP, MES or SCADA. dataFEED uaGate SI combines a compact size with industry-proven hardware.



Easy Controller Connectivity

- Connectivity between controllers and IT (ERP, MES, SCADA) systems as well as between controllers using the standardized, open, platform-independent and market-proven OPC UA standard
- OPC UA technology supporting easy local and global networking as well as routing through firewalls
- Gateway configuration based on web interface allowing easy symbol import directly from SIMATIC STEP 7 and TIA Portal projects

Ultimate Security

- Physically separated network interfaces preventing intrusions
- Individually protected access to PLC data
- Separate configuration rights on controller and IT levels, especially beneficial to OEMs and machine builders wanting to keep proprietary controller configuration undisclosed
- Data encryption and user authentication meeting highest security requirements

Investment Protection

- Adding modern communication capabilities to existing plants
- Standard component that can be integrated into both small and large automation projects
- Suitable for new applications and retrofits

Zero Maintenance

- All-hardware gateway – no need for software updates, operating system patches or PC maintenance
- No PLC programming or dedicated PC required
- Failure-free operation for years after device has been plugged-in and configured once

Technical Data

Hardware	Processor	Altera Cyclone V SoC with Dual-core ARM Cortex-A9
	Connectors	2 x IEEE 802.3 100BASE-TX/10BASE-T (independent interfaces)
	Status LEDs	PWR (power supply), RUN (running), ERR (error), SYS (configuration)
	Dimensions (H x W x D)	100 mm x 22.5 mm x 105 mm
	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 .. 50 °C (0 mm minimum distance) -40 °C .. 55 °C (22.5 mm minimum distance)
	Operating Temperature, Vertical DIN Rail Installation	-40 °C .. 35 °C (0 mm minimum distance) -40 °C .. 40 °C (22.5 mm minimum distance)
	Storage Temperature	-40 °C .. 85 °C
	Relative Humidity	10 % ... 90 %, non-condensing
	Weight	About 0.2 kg
	Mounting	DIN Rail (35 mm)
	Housing	Phoenix Contact ME MAX
	Protection Class	IP20
	Software	Protocols
Supported PLCs		Siemens S7-300, S7-400, S7-1200, S7-1500
Supported Engineering Tools		SIMATIC Step 7 TIA Portal, version 13 and 13 SP1
Conformity		Emission
	Immunity	EC Directive 2004/108/EC "Electromagnetic Compatibility", EN 61000, Part 6-2
Certifications	CE	

Scope of Delivery

Hardware	dataFEED uaGate SI
Software	Tool for configuration over integrated web interface
Documentation	Quick Startup Guide (printed documentation)

Order Numbers

GAA-DX-145111	dataFEED uaGate SI
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optimize!
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