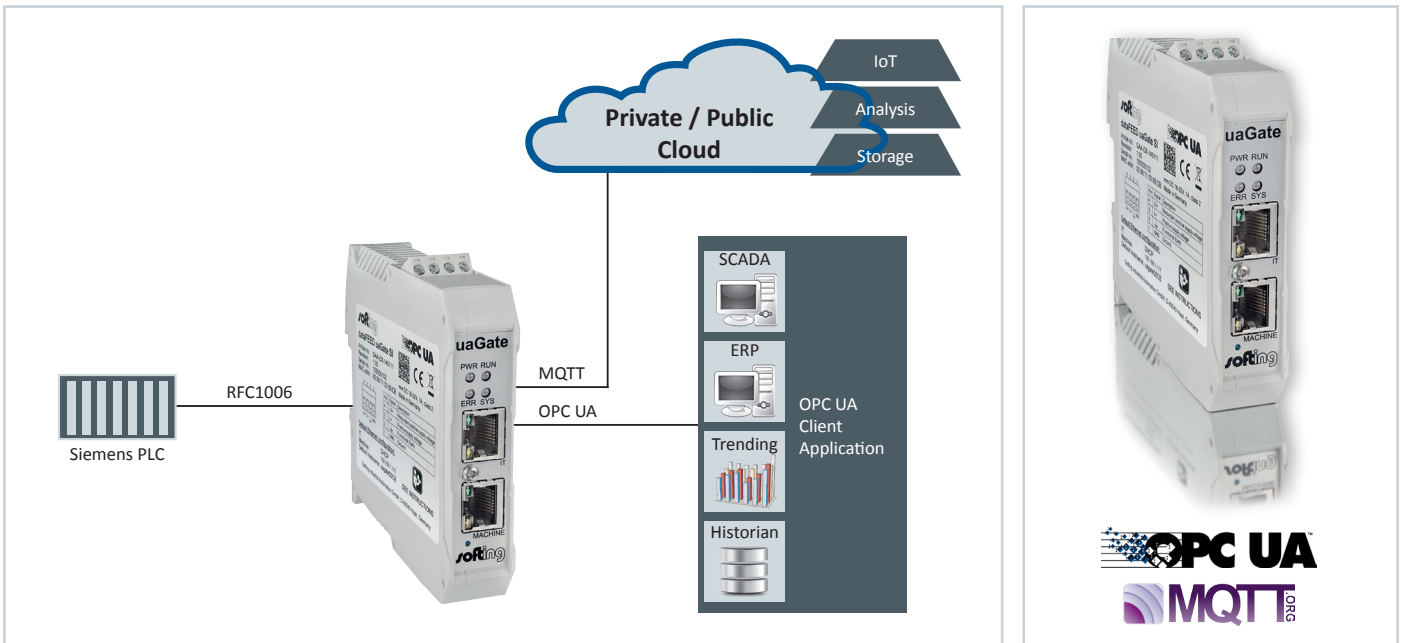


dataFEED uaGate SI

Compact Gateway for Siemens Controllers Providing OPC UA and MQTT Interface

dataFEED uaGate SI is a gateway to Siemens PLCs. It integrates OPC UA functionality for easy and secure data connectivity with higher-level management systems, such as ERP, MES or SCADA, into new or existing plants. Using the MQTT Publisher functionality allows integrating controller data into IoT cloud applications. As a result, dataFEED uaGate SI covers a compact size, an forward-looking approach as well as an industry-proven hardware.



Easy Controller Connectivity

- Connectivity between controllers and IT (ERP, MES, SCADA) systems as well as between controllers using the open, platform-independent and market-proven OPC UA standard
- OPC UA technology supporting easy local and global networking as well as routing through firewalls
- MQTT Publisher functionality for transferring production data into IoT cloud solutions
- 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	SIMATIC S7 , OPC UA (Server, 20,000 items in total), MQTT (Publisher, 1,000 topics)
	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	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
	Immunity	EC Directive 2004/108/EC "Electromagnetic Compatibility", EN 61000, Part 6-2
Certifications	CE, FCC, RoHS	

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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