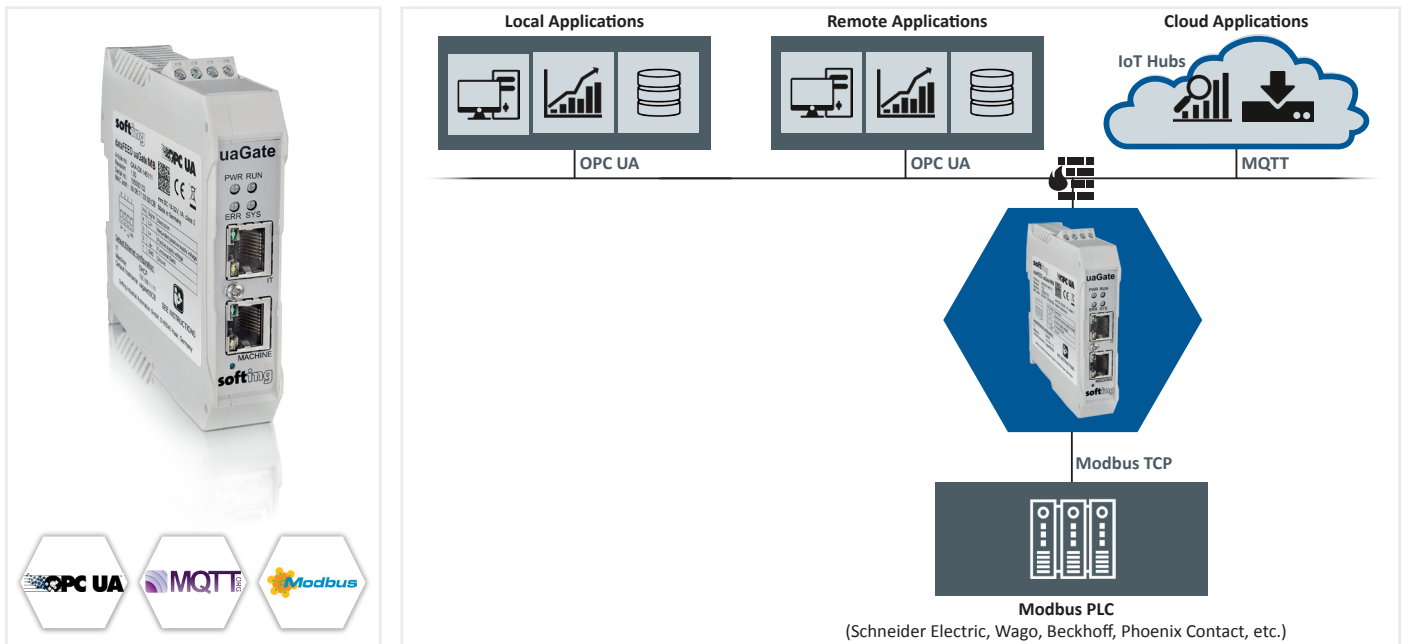


# uaGate MB

Gateway for OPC UA and MQTT Communication Access to Modbus TCP PLCs

- Integration of Modern OPC UA Communication Functionality
- Symbol Import of Controller Data Using Web Interface
- Usage of High Security Standards for Protecting Transferred Data



## Access to Data in Modbus PLCs from OPC UA Applications

- Access to Modbus controllers, e.g. from Schneider Electric, Wago, Beckhoff, Phoenix Contact, etc.
- Integration of higher-level management systems like ERP, MES or SCADA using integrated OPC UA Server providing open, platform-independent and market-proven communication
- Easy local and global access to field data and routing through firewalls
- Especially dedicated to retrofit upgrades, thus protecting former investments
- No need for software updates, operating system patches and PC updates resulting in years of failure-free operation
- Minimal PLC programming for register setup required
- No dedicated PC required

## PLC Project Data Available for Further Processing

- Symbol import from user-edited text file
- Easy setup of OPC UA Server requiring only a few steps for accessing data in Modbus PLCs
- Web-based interface for gateway configuration

## Industry-proven Security

- Physically separated interfaces and separate configuration rights for OT and IT networks preventing intrusions
- Supporting security standards as SSL/TLS and X.509 certificates
- OPC UA compliant data encryption and user authentication
- Security supported for MQTT communication with private and public clouds

# uaGate MB

## Technical Data

<b>Hardware</b>	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
	<b>Software</b>	Protocols
Supported Controllers		Modbus TCP controllers, e.g. from Schneider Electric, Wago, Beckhoff, Phoenix Contact, etc.
<b>Conformity</b>	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	uaGate MB
Software	Tool for configuration over integrated web interface
Documentation	Quick Startup Guide (printed documentation)

## Order Numbers

GAA-YE-145133	uaGate MB
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