

Connect. Integrate. Automate. MQTT Integration in G-Core

With MQTT, G-Core becomes an integration platform for IoT devices, sensors and automation systems. Information can be exchanged across systems, processed and used for intelligent processes. At the same time, MQTT simplifies the integration of third-party systems and creates a standardized foundation for future expansions.

Your Benefits

- ✓ **Open IoT Integration**
Connect G-Core with MQTT-enabled platforms, sensors and applications through a globally established communication standard.
- ✓ **Bidirectional Communication**
Receive and process events from external systems or transmit video, alarm and status information to other applications.
- ✓ **Easier Integration of Technology Partners**
Many technology partners already use MQTT as a standard for data exchange. The integrated MQTT support reduces integration effort and simplifies the integration of new solutions into existing projects.
- ✓ **Flexible Automation**
Integrated JavaScript processors enable the processing, transformation and linking of data for individual automation processes.
- ✓ **Connecting MQTT and Modbus**
Exchange data directly between MQTT and Modbus systems and connect IoT platforms with industrial control systems without additional middleware.
- ✓ **Future-Proof Integration**
Open standards provide investment security and simplify the expansion of existing security and automation solutions.

More Possibilities Through Open Integration

MQTT creates the foundation for a flexible and future-proof integration of a wide variety of systems. Whether sensors, building automation, control room applications or technology partners, G-Core can be integrated more easily into existing infrastructures and can grow together with new requirements.

[You can find detailed information on our website.](#)

Understand. Monitor. Respond. Modbus Integration in G-Core

With Modbus, G-Core becomes an active component of technical processes. Events from machines, building technology and infrastructure are automatically detected and can trigger video recordings, alarms or additional actions. At the same time, technical systems can be controlled directly from G-Core. This enables better situational awareness, faster response times and more efficient operational processes.

Your Benefits

- ✓ **Make Technical Conditions Visible**
Measured values, status information and alarms from technical installations are directly linked with live images and video recordings.
- ✓ **Monitor and Control Installations**
Read and write Modbus registers and integrate technical processes directly into your security solution.
- ✓ **Detect Events Automatically**
Changes in register values can automatically trigger alarms, recordings or additional actions.
- ✓ **Flexible Data Processing**
JavaScript processors enable the individual evaluation, filtering and transformation of register values.
- ✓ **Optimized for Existing Installations**
The solution was deliberately designed to be flexible and can be adapted to different register structures, machines and control systems.
- ✓ **Bridge Between OT and IT**
Connect industrial control systems, building automation, IoT platforms and video surveillance in a common integration platform.

Intelligently Connect Modbus and MQTT

G-Core enables direct communication between Modbus and MQTT systems. Register values can be transferred to MQTT platforms, while MQTT messages can directly trigger actions on Modbus devices. This creates seamless processes between industrial automation and modern IoT platforms.

[You can find detailed information on our website.](#)