

IoT Gateway HUB-GM150

APPLICATIONS

- Condition monitoring
- Retrofitting and expanding machines
- Preventive maintenance
- Industrial automation
- Remote maintenance/Remote access

The HUB-GM150 is an IoT gateway master module and was specially designed for multitask and real-time applications in the field of Industry 4.0 / IoT and IIoT. With the HUB-GM150, direct connection of various sensors for monitoring processes and machines is possible. The data is then processed directly in the device and made available via various interfaces wirelessly or wired. By using standard interfaces, the module can be used in and on existing machines and plants to ensure the secure connection of production-side control with the company's internal IT environment. The HUB-GM150 can be upgraded in terms of the number of sensors, protocols and interfaces via expansion modules.



area

Specifications

Processor	Colibri IMX7D 1 GB™ 32-Bit, 2 x ARM Cortex-A7 CPU ARM®, 1 x Cortex-M4 CPU Cores®, Cryptographic Acceleration and Assurance Module, Secure Real-Time Clock
Memory	1 GBD DDR3L RAM, 4 GB eMMC
Power supply	24 V ± 10%
Interfaces	1 x 100 MbE, 1 x USB2.0 Host, 1 x USB2.0 Device, 6 x GPIO, 4 x analog in (4...20 mA/0...10 V), Backplane-Bus-Connector for AddOn-Modules, optional with WLAN Module (802.11b/g/n.150 Mbits/s)
HMI	Status LEDs, internal Web server, optional Cloud-Dashboard
Temperature range	0°C bis 50°C
Operating system	IIoT operating system SIINEOS, SDK optionally available
Protocols	Modbus, MQTT, HTTP, Cloud of Things, OPC U/A, DB/SQL
Dimensions	132 mm x 110 mm x 25 mm
Protection class	IP20
Housing	Plastic (polyamide), black UL 94 flammability class V-0