in.hub

IoT-Gateway
HUB-GM100

APPLICATIONS

• Condition monitoring
• Retrofitting and upgrade of machines
• Predictive maintenance
• Industrial automation
• Remote access

The HUB-GM100 is an IoT gateway master module and was specially designed for applications in the field of Industry 4.0 / Iot and IIoT. With the HUB-GM100, the direct connection of up to four different sensors for monitoring processes and machines is possible. The data is then processed directly in the device and made available via various interfaces wireless or wired. By using standard interfaces, the module can be used in and on existing machines to ensure the secure connection of production OT with the company's internal or external IT environment. The HUB-GM100 can be upgraded in terms of the number of sensors, protocols and interfaces via expansion modules.

IIoT operating system

siineos

Specification

Processor	TI Sitara ™ AM3358 32-Bit ARM Cortex®-A8
Memory	1 GB DDR3L RAM, 8GB eMMC
Power supply	24 V ± 10 %
Interfaces	1 x 1GbE, 1 x 100MbE, 1 x USB2.0 Host, 1 x USB2.0 Device, 1 x CAN, 1 x RS485, 2 x GPIO, 2 x analogue in (4...20mA/0...10V), 1x relay no/nc switch (48V / 0.5A), Backplane-Bus-Connector for Add-on modules, optional WLAN module (802.11b/ g/ n.150 Mbits/s)
HMI	Status LEDs, internal webserver, optional cloud-dashboard
Temperature range	0 °C to 50 °C
Operating system	IIoT operating system SIINEOS, SDK optional available
Protocol	Modbus, CAN, MQTT, HTTP, Cloud of Things, OPC U/A, DB/SQL
Dimensions	125 mm x 110 mm x 18 mm
Protection class	IP20