

Add-on module **HUB-EN200**

APPLICATIONS:

- Power monitoring
- Energy management
- Predictive maintenance
- Productivity monitoring
- Process control

The HUB-EN200 is an add-on module specifically designed for recording the power consumption and current patterns of machinery and equipment. The recording of current patterns is a proactive method to detect function and process changes in machines and plants at an early stage. This enables predictive maintenance and prevents costly and time-consuming machine downtime. In addition, the HUB-EN200 is suitable for measuring power peaks. Thus, the add-on module HUB-EN200 can help to optimize the entire energy management in large machine and plant parks.

Specifications

Processor	NXP IMX6ULL
Memory	1 GB DDR3L RAM, 1 GB eMMC
Power supply	24 V DC, ~100 mA
Interfaces	3 x voltage 0...250 V 4 x AC current sensors with up to 600 A, sampling rate up to 8 kHz and 16 bit resolution of current and voltage measurement USB host USB device Ethernet via RJ45
Advanced measuring features	Total and fundamental active power, volt amperes reactive (VAR), volt amperes (VA), watt-hour, VAR hour, and VA hour; Total and fundamental IRMS, VRMS; Power factor; Total harmonic distortion (THD)
HMI	Status LEDs, internal Web server
Temperature range	0 °C to 50 °C
Operating system	IIoT operating system SIINEOS
Protocols	OPC UA, MQTT, Modbus
Dimensions	139 mm x 100 mm x 25 mm
Protection class	IP20



area