



HUB-SE100

Technical data sheet

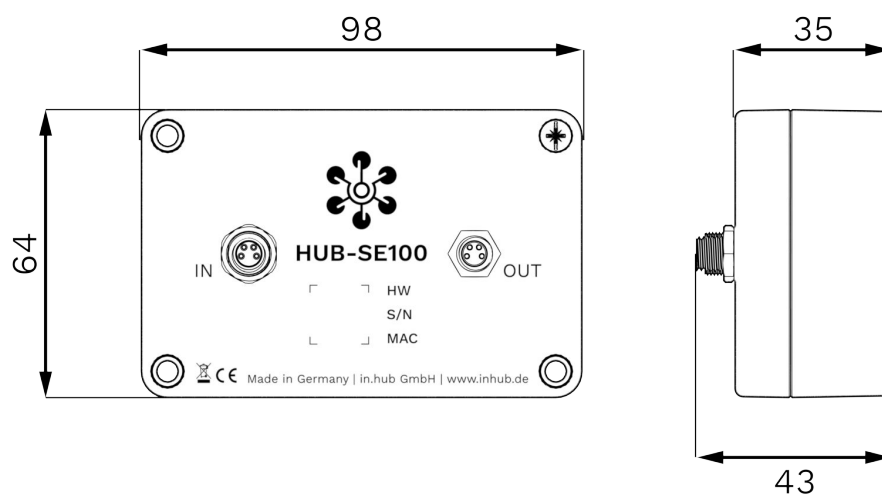
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Views of the HUB-SE100

Device views

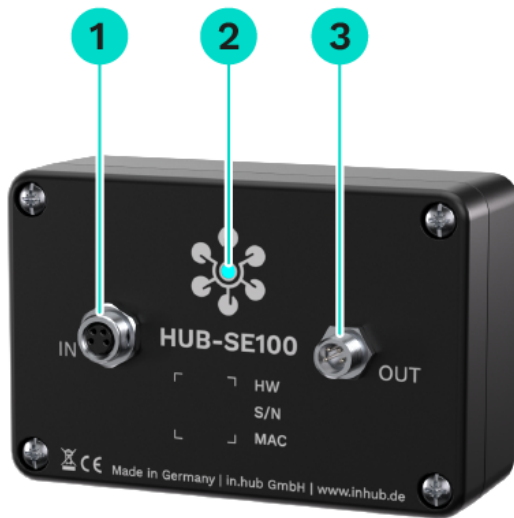


Schematic diagram



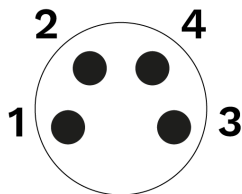
Dimensions of the HUB-SE100 in mm

Hardware – design and interfaces

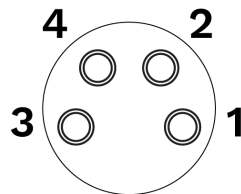


1	IN: M8 connector, 4-pin, male
2	LED
3	OUT: M8 connector, 4-pin, female

Pin assignment of the M8 connector



IN: M8 A-coded 4-pin male connector



OUT: M8 A-coded 4-pin female connector

Pin	Signal	Cable colour	Description
1	24 V	Brown	Power supply
2	4–20 mA	White	Analogue signal
3	GND	Blue	Ground / 0 V
4	0–10 V / DIN	Black	Analogue signal / digital input

Technical data for the HUB-SE100

Data	
Power supply	24 V DC, max. 500 mA
Typical power consumption	5 W
Max. power consumption	24 W
Processor	NXP® i.MX 6ULL, IMX6Y2CVM08Ax, 1 x ARM cortex-A7 CPU
Memory	RAM: DDR3L 1 GByte, Flash: 8 GByte
Data interfaces	Ethernet: 100 Mbit/s 1 x status LED (red/green)
Connections for peripheral devices	1 x analogue input, 4–20 mA 1 x analogue input, 0–10 V / digital input
Protocols	OPC UA server + client MQTT broker server + client Modbus TCP/IP broker client + server
Operating system	IIoT operating system SIINEOS (32 bit) for configuration and data visualization
Housing	Plastic (polyamide) black, flammability class UL 94 V0/5VA
Protection class	IP54
Dimensions	98 mm × 64 mm × 43 mm
Weight	150 g
Installation	Screw connection

Ambient conditions	
Temperature range	Storage: -40 °C to 85 °C Operation: 0 °C to 50 °C
Humidity	Storage: 10% to 95% RH, non-condensing Operation: 20% to 90% RH, non-condensing
Operating altitude	Max. 2,000 m above sea level

SIINEOS	
Pre-installed software	FlexPlorer: Live data visualization Azure IoT Hub Connector: Connector to the Microsoft® IoT platform Cloud of Things Connector: Connector to the Telekom® IoT platform InGraf: Grafana data visualization NumCorder: Recording of scanned or entered barcodes / serial numbers OPC UA server: Counterpart to the OPC UA client, setting up of a server–client structure with one device NodeRED: Graphical programming of interfaces, services or hardware PromEx: Database configuration of VictoriaMetrics and Prometheus TOSIBOX®: Secure connectivity between the IoT devices SIGNL4 Connector: Forwarding of alarms to the SIGNL4 cloud
I/O interfaces to third-party systems/devices	S7 PLC client: Connector for the Siemens® S7 controller Sensirion SPS30: Temperature and humidity sensor TBEN-S1-8DIP: TBEN module from TURCK® TBEN-S2-4AI: TBEN module from TURCK® IO-Link master IO-Link device

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