



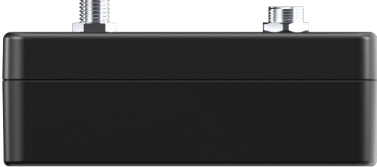
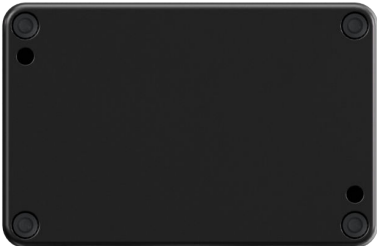
HUB-SE100

Technical data sheet

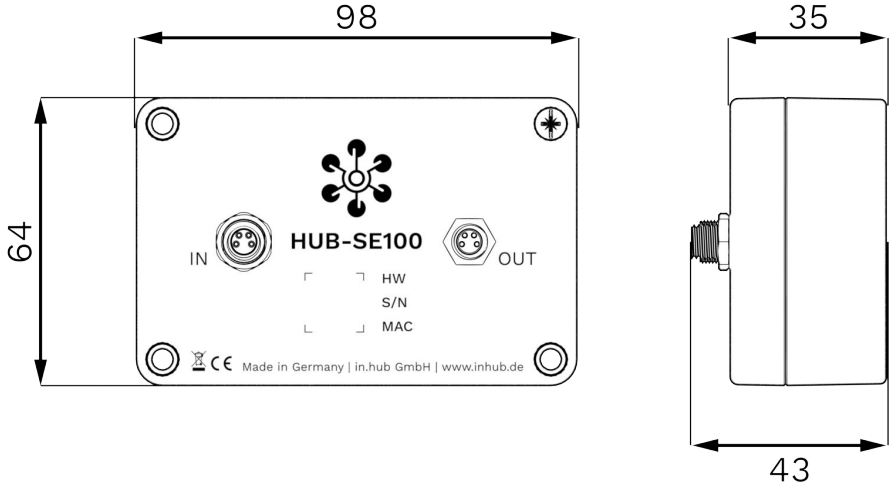
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Views of the HUB-SE100

Device views

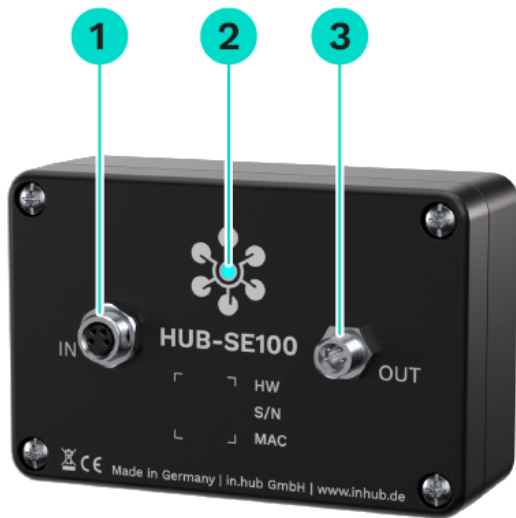


Schematic diagram



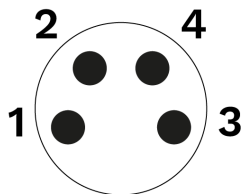
Dimensions of the HUB-SE100 in mm

Hardware – design and interfaces

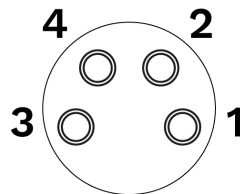


1	IN: M8 connector, 4-pin, male
2	LED
3	OUT: M8 connector, 4-pin, female

Pin assignment of the M8 connector



IN: M8 A-coded 4-pin male connector



OUT: M8 A-coded 4-pin connector, female

Pins	Signal	Cable color	Description
1	24V	brown	Power supply
2	4 - 20 mA	white	Analog signal
3	GND	blue	Ground / 0 V
4	0 - 10 V/DIN	black	Analog signal / Digital input

Technical data

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	6 x digital input / output 1 x analog input / 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
Assembly	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	<p>FlexPlorer: Live data visualization</p> <p>Azure IoT Hub Connector: Connector to the Microsoft® IoT platform</p> <p>Cloud of Things Connector: Connector to the Telekom® IoT platform</p> <p>InGraf: Grafana data visualization</p> <p>NumCorder: Recording of scanned or entered barcodes / serial numbers</p> <p>OPC UA server: Counterpart to the OPC UA client, setting up of a server–client structure with one device</p> <p>NodeRED: Graphical programming of interfaces, services or hardware</p> <p>PromEx: Database configuration of VictoriaMetrics and Prometheus</p> <p>TOSIBOX®: Secure connectivity between the IoT devices</p> <p>SIGNL4 Connector: Forwarding of alarms to the SIGNL4 cloud</p>
I/O interfaces to third-party systems/devices	<p>S7 PLC client: Connector for the Siemens® S7 controller</p> <p>Sensirion SPS30: Temperature and humidity sensor</p> <p>TBEN-S1-8DIP: TBEN module from TURCK®</p> <p>TBEN-S2-4AI: TBEN module from TURCK®</p> <p>IO-Link master</p> <p>IO-Link device</p>

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