



- The INS4SQ offers a feature-rich and versatile solution for control and monitoring applications, with its powerful hardware, user-friendly display, and support for various interfaces and sensors. Its temperature and humidity tolerance make it a reliable choice in different operating environments.
- Featuring a high-quality 4" IPS display with a resolution of 480 x 480 and a luminance of 400 cd/m², the INS4SQ offers crisp and clear visuals for an excellent user experience.
- The device runs on Linux 3.4 operating system supporting up to 200 UI objects and 1000 BMS points.
- Equipped with an ARM A7 Single-Core 1.2 GHz processor, 128MB DDR3 RAM, and 256MB Nand flash, ensuring reliable performance for various applications.
- Integrated with essential sensors, the device includes a humidity sensor with a range of 0% up to 100% RH and a temperature sensor covering a range from -40°C up to +125°C, enabling efficient environmental monitoring.
- The INS4SQ comes with a standard LAN RJ45 10/100Mbps interface, ensuring easy network connectivity for data transfer and communication.
- The INS4SQ offers a variety of optional interfaces for enhanced connectivity and compatibility. These include iNELS, RS485, Modbus, VRF, and Zigbee 3.0
- The INS4SQ operates within a working temperature range of -10°C to +60°C.
- The device can be powered by either 24VDC or 48VDC input, and it also supports Power over Ethernet (POE IEEE 802.3af), providing flexibility in power options.
- Configuration, programming and update applications over the Skythings platform.

Technical parameters **INS4SQ**

Hardware / Software

Hardware:	ARM A7 Single-Core 1.2 GHz / 128MB DDR3 Ram / 256 MB Nand flash
Software:	OS Linux 3.4

Display

Type:	IPS 4" 480 x 480 resolution
Display:	400 cd/m ² luminance
Touch part:	5 Point capacitive touchscreen

Power Supply

Supply voltage/tolerance:	24VDC -or- 48 VDC In
PoE:	POE IEEE 802.3af
Dissipated power:	Power consumption max. 10W

Connection

Standard Interfaces:	(1x) LAN RJ45 10/100Mbps interface (1x) Add-On (optional interface) Port (1x) Digital Out (open collector 5V 100mA) (1x) Digital In
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Optional Interfaces

	iNELS BUS
	RS485 (EIA-485) (RS4)
	Galvanic isolated RS485 Modbus (A-GMD)
	VRF mainline communication (A-VRM -or- A-VRR)
	Zigbee 3.0 (BCU-S24-ZGB -or- BCU-POE-ZGB)

Built-in Sensors

Humidity sensor:	range 0% up to 100% RH
Temperature sensor:	range -40°C up to +125°C

Operating conditions

Working temperature:	-10°C – +60°C
Humidity:	5% – 90% at 25°C

Dimensions and weight

Dimensions:	92 x 92 x 29 mm
Standard:	EN 63044-1, EN 62368-1

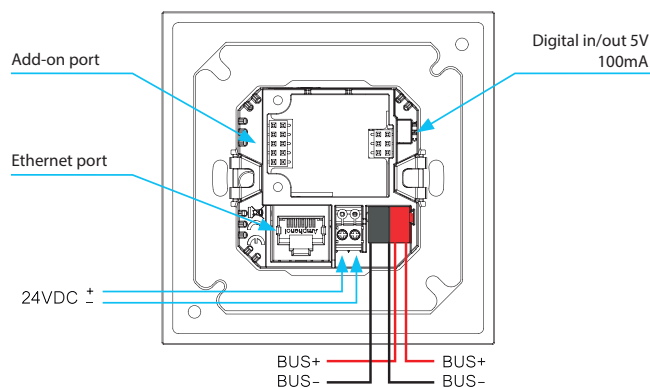
Accessories



● Silver frame ● Gold frame ● Black frame

- FRM4H1.B INS4SQ Aluminium Frame sharp - Black
- FRM4H1.S INS4SQ Aluminium Frame sharp - Silver
- FRM4H1.G INS4SQ Aluminium Frame sharp - Gold
- FRM4P1.B INS4SQ Aluminium Frame curve - Black
- FRM4P1.S INS4SQ Aluminium Frame curve - Silver
- FRM4P1.G INS4SQ Aluminium Frame curve - Gold
- PS1M-15/24V Power supply

Connection



Another view



