



INS10SQ.B 10" Panel w/ Black Bars
 INS10SQ.S 10" Panel w/ Silver Bars
 INS10SQ.G 10" Panel w/ Gold Bars



Technical parameters INS10SQ

Hardware / Software

| | |
|-----------|---|
| Hardware: | Quad-Core 1.2 GHz / 1GB DDR3 Ram / 8GB Nand flash |
| Software: | OS Android 7.1 with iNELS application |

Display

| | |
|-------------|------------------------------------|
| Type: | IPS 10" 1280 x 800 re Via solution |
| Display: | 300 cd/m2 luminance |
| Touch part: | 5 point capacitive touchscreen |

Power Supply:

| | |
|---------------------------|--|
| Supply voltage/tolerance: | 24 VDC |
| PoE: | PoE IEEE 802.3at (optional w/PSU-TP-POE) |
| Dissipated power: | Power consumption max. 13W |

Connection

| | |
|----------------------|-----------------------|
| Ethernet: | 1x LAN RJ45 |
| Communication speed: | 10/100 Mbps interface |

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° |

Operating conditions

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

Dimensions and weight

| | |
|-------------|-----------------------|
| Dimensions: | 307 x 194.6 x 39.5 mm |
| Standard: | EN 63044-1 |

Accessories

| | |
|-------------|-------------------------------------|
| BOX-INS10Q | Flush Mount Box for 10" Touch Panel |
| PS1M-15/24V | Power supply |

- The INS10SQ 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 IPS 10" 1280 x 800 resolution 350 cd/m2 luminance with 5 point capacitive touchscreen.
- The device runs on OS Android 6.0 operating system with A64 Quad-Core 1.3 GHz/1GB DDR3 Ram / 8GB Nand flash supporting up to 2000 BMS points.
- INS10SQ touch panel designed to control iNELS with Android OS via iNELS applications.
- Integrated speakers and microphone are primarily designed for inter-com operation
- Integrated with essential sensors, the device includes an Ambient illumination measurement sensor, humidity sensor and a temperature sensor, enabling efficient environmental monitoring.
- The INS10SQ comes with a standard LAN RJ45 10/100Mbps interface, ensuring easy network connectivity for data transfer and communication.
- The INS10SQ offers a variety of optional interfaces for enhanced connectivity and compatibility. These include iNELS, RS485, Modbus, VRF, and Zigbee 3.0
- The INS10SQ operates within a working temperature range of -10°C to +60°C.
- The device can be powered by either 24VDC, and it also supports Power over Ethernet (POE IEEE 802.3af), providing flexibility in power options max 30W.
- Configuration, programming, and update applications over the Skythings platform.

Device description

