



INS85Q/B 8" Panel w/ Black Bars  
 INS85Q/S 8" Panel w/ Silver Bars  
 INS85Q/G 8" Panel w/ Gold Bars



Technical parameters		INS85Q
<b>Hardware / Software</b>		
Hardware:	Quad-Core 1.2 GHz / 1GB DDR3 Ram / 8GB Nand flash	
Software:	OS Android 7.1 with iNELS application	
<b>Display</b>		
Type:	IPS 8" 1280 x 800 re Via solution	
Display:	300 cd/m2 luminance	
Touch part:	5 point capacitive touchscreen	
<b>Power Supply:</b>		
Supply voltage/tolerance:	24 VDC	
PoE:	PoE IEEE 802.3at (optional w/PSU-TP-POE)	
Dissipated power:	Power consumption max. 13W	
<b>Connection</b>		
Ethernet:	1x LAN RJ45	
Communication speed:	10/100 Mbps interface	
<b>Optional Interfaces</b>		
	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)	
<b>Built-in Sensors</b>		
Humidity sensor:	range 0% up to 100% RH	
Temperature sensor:	range -40°C up-to +125°	
<b>Operating conditions</b>		
Working temperature:	-10°C – +60°C	
Humidity:	5% – 90% at 25°C	
<b>Dimensions and weight</b>		
Dimensions:	243 x 149 x 42 mm	
Standard:	EN 63044-1	

**Accessories**

- BOX-INS8Q Flush Mount Box for 8" Touch Panel
- BOX-INS8W On-Wall Mount Box for 8" Touch Panel
- PS1M-15/24V Power supply

- The INS85Q 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 8" 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 1000 BMS points.
- INS85Q touch panel designed to control iNELS with Android OS via iNELS applications.
- Integrated speakers and microphone are primarily designed for intercom operation
- Integrated with essential sensors, the device includes an Ambient illuminance measurement sensor, humidity sensor and a temperature sensor, enabling efficient environmental monitoring.
- The INS85Q comes with a standard LAN RJ45 10/100Mbps interface, ensuring easy network connectivity for data transfer and communication.
- The INS85Q offers a variety of optional interfaces for enhanced connectivity and compatibility. These include iNELS, RS485, Modbus, VRF, and Zigbee 3.0
- The INS85Q 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**



