JSmart707 NFC - Tech-Note

7” TFT, 1024x600, PCAP Touch

- Full IP protection; ideal for mounting-arm installation
- Includes environment and motion sensors
- 7” TFT color display, resolution 1024x600 pixel, 16M colors, dimmable backlight
- PCAP Touchscreen Multitouch
- 10/100 Ethernet port PoE
- Wi-Fi Connection

Highlights

JSmart707 is the ideal product for field installation in critical areas. High-resolution 7” display with multitouch PCAP touchscreen with a robust glass front; touchscreen/display bonding for fidget optical performance.
Power-over-Ethernet (PoE) for maximum simplicity of connection using standard CAT5 wiring.
The availability of a Wi-Fi interface enhances the device integration, while the NFC broadens the device applications.
Full IP protection with the use of dedicated connectors for the maximum flexibility of installation, from mounting arm to a simple M22 hole. The product includes a full set of environment and motion sensors to make this device a true IIoT edge device for Industry 4.0 applications.
The JSmart product family has been optimized for use as an embedded browser or as a JMobile HMI device.

- Performing HTML5-compatible browser with graphic accelerator
- JMobile runtime with OPC UA Server and Client
- Optional CODESYS V3 PLC for integrated HMI and control applications
- Open platform for Linux applications
- Built-in sensors (temperature and acceleration)

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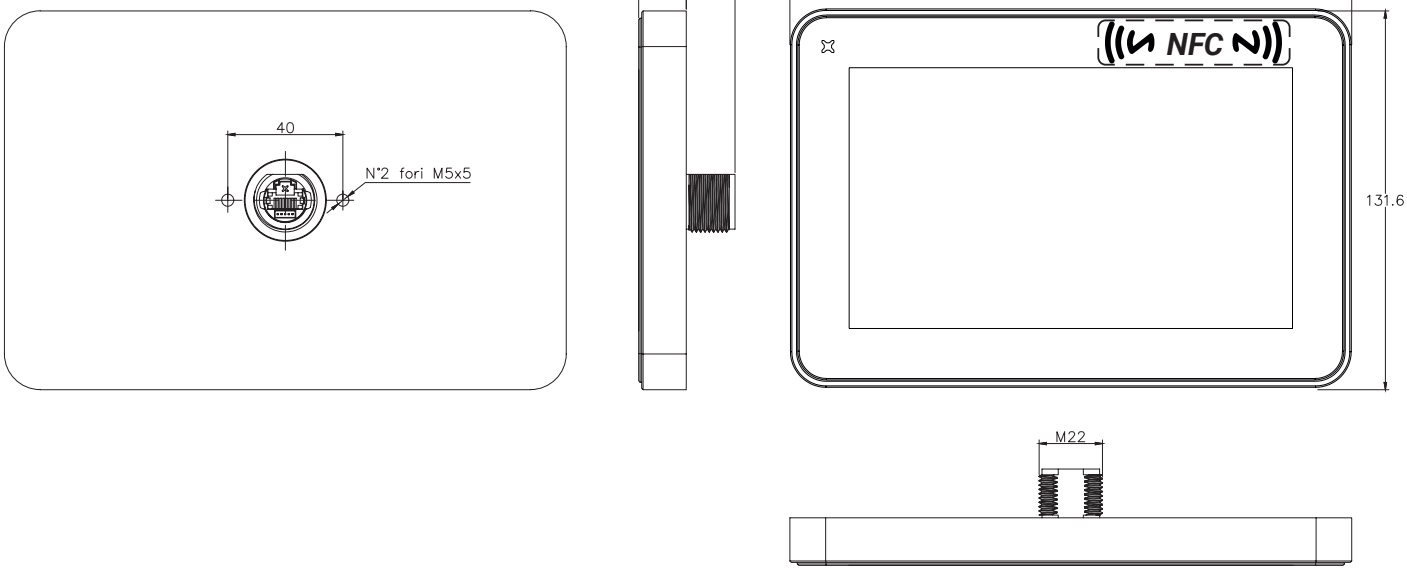
JSmart707 NFC - Technical Data

System Resources	
Display - Colors	7" TFT – 16M
Resolution	1024x600
Brightness	400 cd/m2 typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	32-bit RISC dual core - 800 MHz
Operating system	Linux RT
Flash	4 GB
RAM	1 GB
FRAM	64 KB
RTClock, RTC Back-up	Yes
Interface	
Ethernet port	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB
Sensors	Temperature, 3-Axis Accelerometer
Wi-Fi	IEEE 802.11a/b/g
NFC	ISO/IEC 14443A
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3af PoE
Power Consumption	9 W
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-20° to +55° C (vertical installation)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP67 (requires appropriate accessories and cables) Type: 1, 12, 4x
Dimensions and Weights	
Faceplate LxH	195.2x131.6mm (7.68x5.18")
Depth D+T+T	16.5mm (0.06")
Weight	0.7Kg
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
RCM	Yes



Ordering Information

Model	Part Number	Description
JSmart707 NFC	+JS707BB2U5P1	HMI 7" TFT, 1024x600, PCAP Touch, 4GB Flash memory, PoE Ethernet + Wi-Fi, JMobile runtime

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