



JSmart707 Tech-Note

Field-ready HMI 7" TFT, PCAP touchscreen, Ethernet port PoE



- 7" TFT color display, resolution 1024x600 pixel, 16M colors, dimmable backlight
- PCAP Touchscreen Multitouch
- 10/100 Ethernet port PoE
- Wi-Fi Connection *
- ARM Cortex-A9 dual core CPU
- Full IP protection; ideal for mounting-arm installation
- Includes environment and motion sensors

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.

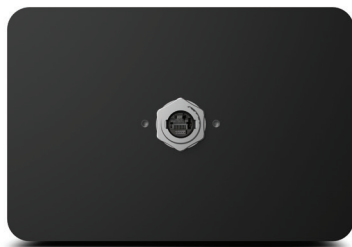
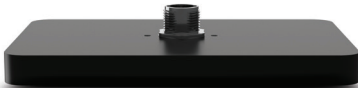
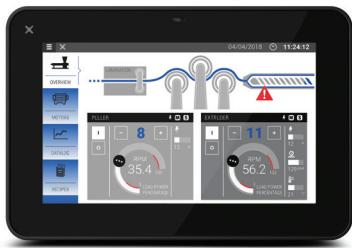
The availability of a Wi-Fi interface enhances the device integration.

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.

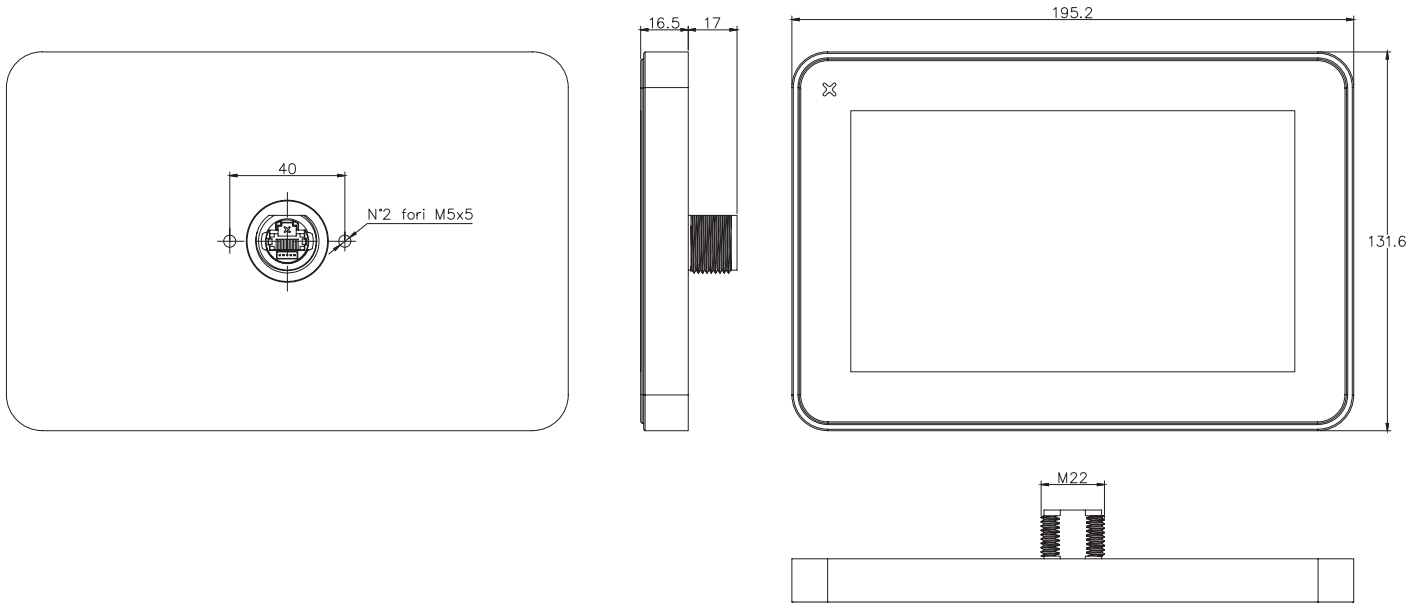
- Performing HTML5-compatible browser with graphic accelerator
- JMobile runtime with OPC UA Server and Client
- Optional CODESYS V3 PLC for integrated HMI and control applications
- Open platform for Linux applications
- Built-in sensors (temperature and acceleration)

JSmart707 - Technical Data



| System Resources | |
|------------------------------|---|
| Display - Colors | 7" TFT – 16M |
| Resolution | 1024x600 |
| Brightness | 400 cd/m ² typ. |
| Dimming | to 0% |
| Touchscreen | Projected Capacitive – Multitouch |
| CPU | ARM Cortex-A9 dual core - 800 MHz |
| Operating System | Linux RT |
| Flash | 4 GB |
| RAM | 1 GB |
| FRAM | 64 KB |
| Real Time Clock, RTC Back-up | Yes |
| Interface | |
| Ethernet port | 10/100 PoE |
| USB port | 1 (Host V2.0, max. 500 mA, available with special cable) |
| LED | 1 RGB |
| Sensors | Temperature, 3-Axis Accelerometer |
| Wi-Fi* | IEEE 802.11a/b/g |
| 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) |
| Dimensions and Weights | |
| Faceplate LxH | 195.2x131.6 mm (7.68x5.18") |
| Depth D+T+T | 16.5 mm (0.06") |
| Weight | 0.7 Kg |
| Approvals | |
| CE | Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment |
| UL | cULus: UL61010-1 / UL61010-2-201 |

*Awaiting certifications in 2019



Ordering Information

| Model | Part Number | Description |
|-----------|---------------|---|
| JSmart707 | +JS707BB1U5P1 | Field-ready HMI 7" TFT with PCAP touchscreen, Ethernet port PoE |



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk