JSmart715 Tech-Note

F ield-ready HMI 15.6" TFT, PCAP touchscreen, Ethernet port PoE

- 15.6" TFT color display, resolution 1366x768 pixel, 16M colors, dimmable backlight
- PCAP Touchscreen Multitouch
- 10/100 Ethernet port PoE
- Wi-Fi Connection *
- ARM Cortex-A9 quad core CPU
- Full IP protection; ideal for mounting-arm installation
- Includes environment and motion sensors

Highlights

JSmart715 is the ideal product for field installation in critical areas. High-resolution 15.6" display with multitouch PCAP touchscreen with a robust glass front; touchscreen/display bonding for fidget optical performance.
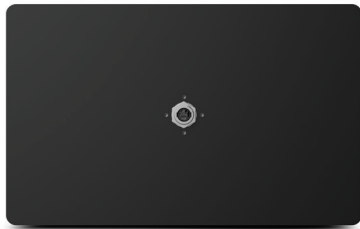Power-over-Ethernet (PoE) for maximum simplicity of connection using standard CAT5 wiring.
The availability of a Wi-Fi interface enhances the device integration.
Full IP protection with the use of dedicated connectors for the maximum flexibility of installation, from mounting arm to a simple M22 hole. 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.
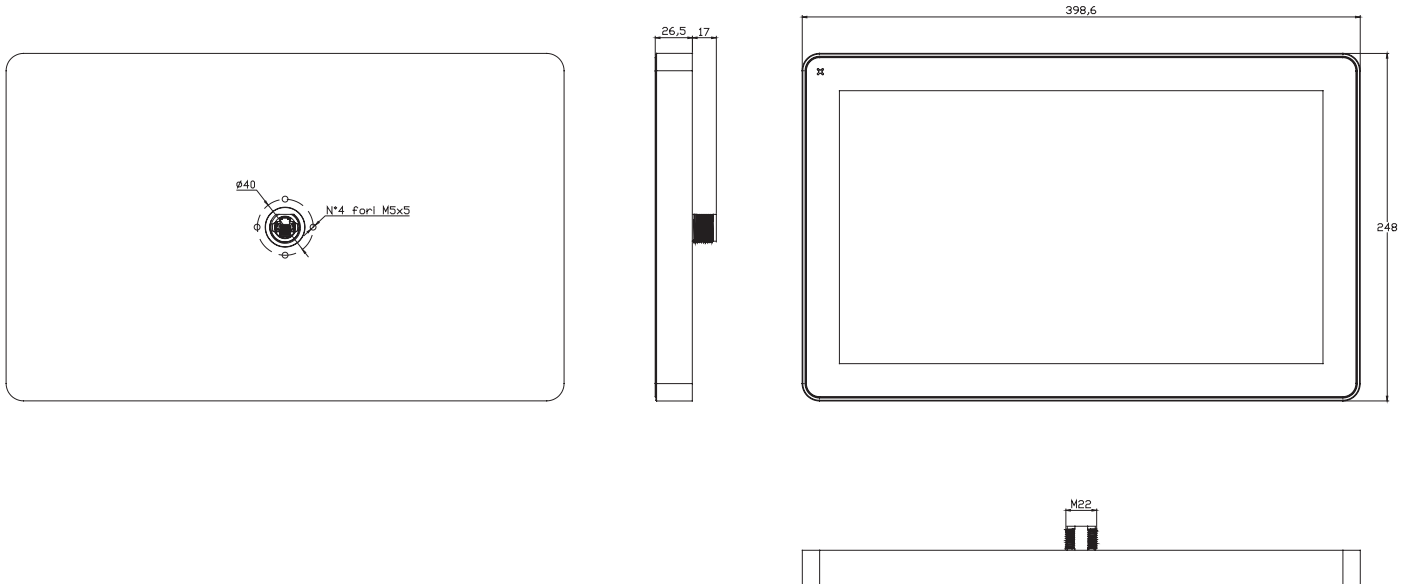
- Performing HTML5-compatible browser with graphic accelerator
- JMobile runtime with OPC UA Server and Client
- Optional CODESYS V3 PLC for integrated HMI and control applications
- Open platform for Linux applications
- Built-in sensors (temperature and acceleration)

JSmart715 - Technical Data

System Resources	
Display - Colors	15.6" TFT – 16M
Resolution	1366x768
Brightness	400 cd/m² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	ARM Cortex-A9 quad core - 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 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 802.3at PoE+
Power Consumption	19 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	398.6x248 mm (15.69x 9.76")
Depth D+T+T	26.5 mm (1.04")
Weight	4.0 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
JSmart715	+JS715CD1U5P1	Field-ready HMI 15.6" 1366x768 TFT with PCAP touchscreen, Ethernet port PoE