EXOR
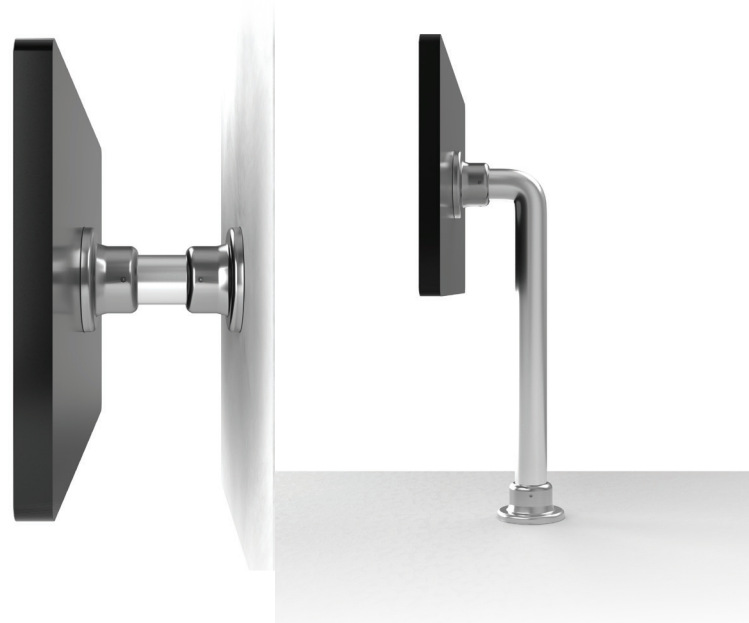
JSmart721 Tech-Note

21.5" TFT, 1920x1080, PCAP Touch

- Full IP protection; ideal for mounting-arm installation

- Mounts on 22 mm hole

- Includes environment and motion sensors

- 21.5" TFT color display, resolution 1920x1080 pixel, 16M colors, dimmable backlight

- PCAP Touchscreen Multitouch

- 10/100 Ethernet port PoE

- Wi-Fi Connection

Highlights

JSmart721 Field is the ideal product for field installation in critical areas. High-resolution 21.5" display with multi-touch 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.
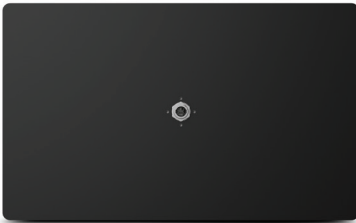The availability of a Wi-Fi interface enhances the device integration.
Full IP protection with the use of dedicated connectors for the maximum flexibility of installation, from mounting arm to a simple M22 hole. The product includes a full set of environment and motion sensors to make this device a true IIoT edge device for Industry 4.0 applications.
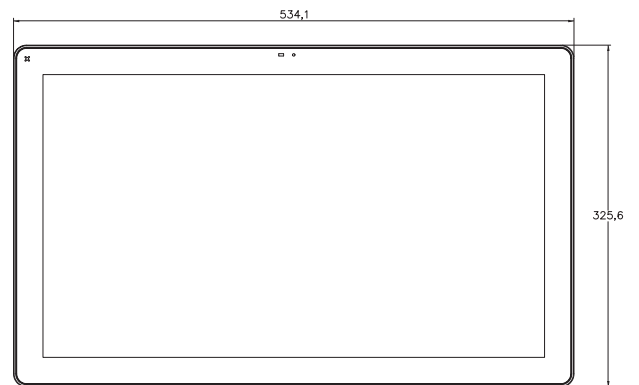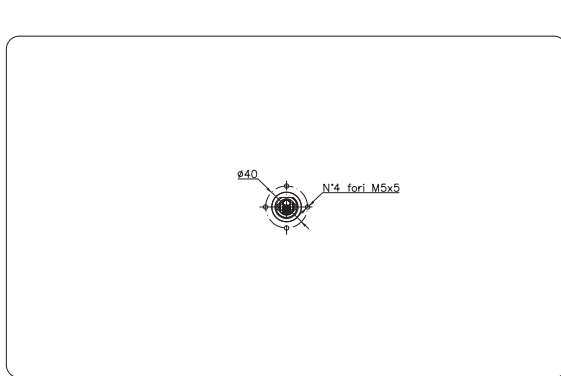The JSmart product family has been optimized for use as an embedded browser or as a JMobile HMI device.

- 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)

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JSmart721 - Technical Data

System Resources	
Display - Colors	21.5" TFT – 16M
Resolution	1920x1080
Brightness	400 cd/m2 typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	32-bit RISC quad core - 800 MHz
Operating system	Linux RT
Flash	8 GB
RAM	2 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
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3bt 4PPoE
Power Consumption	32 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	534.1x325.6 mm (21.02x 12.81")
Depth D+T+T	26.5 mm (1.04")
Weight	6.0 Kg
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
DNV-GL	Yes
RCM	Yes

Ordering Information

Model	Part Number	Description
JSmart721	+JS721CE1U5P1	HMI 21.5" TFT, 1920x1080, PCAP Touch, 8GB Flash memory, PoE Ethernet + Wi-Fi , JMobile runtime

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