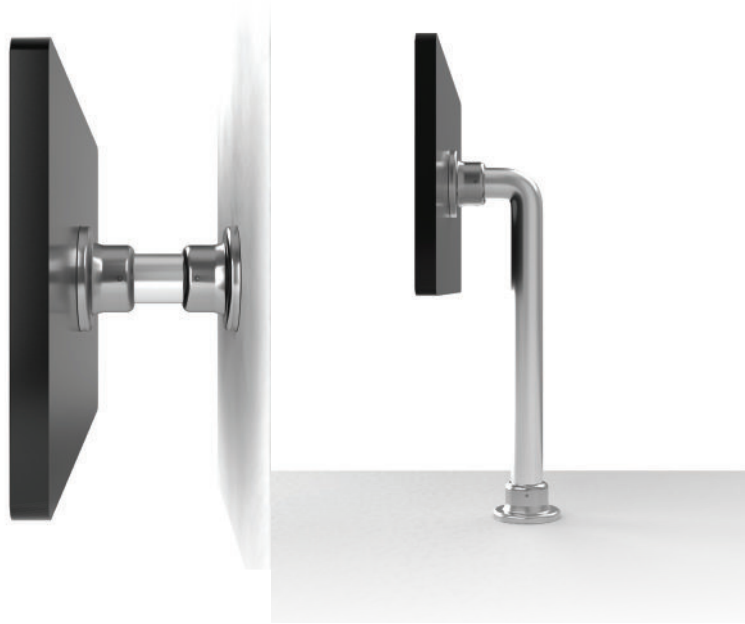
# JSmart715 Tech-Note

## 15.6” TFT, 1366x768, PCAP Touch



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

# 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)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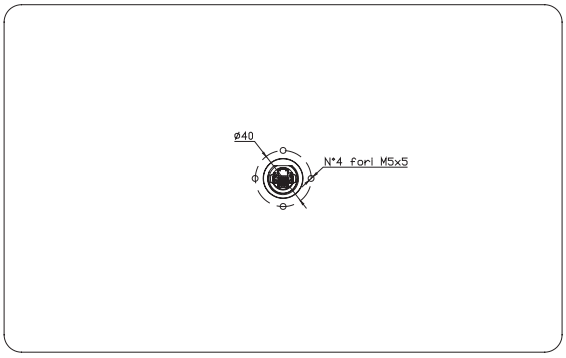
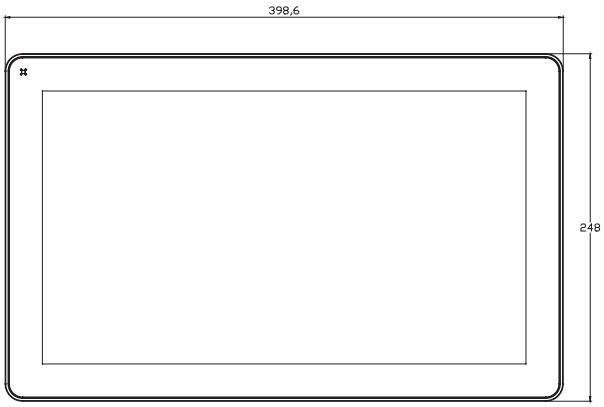
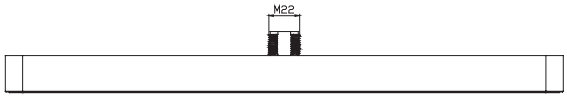
# JSmart715 - Technical Data

| System Resources | |
|---|---|
| Display - Colors | 15.6" TFT – 16M |
| Resolution | 1366x768 |
| Brightness | 400 cd/m² typ. |
| Dimming | to 0% |
| Touchscreen | Projected Capacitive – Multitouch |
| CPU | 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 802.3at PoE+ |
| Power Consumption | 23 W max. |
| 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 | 398.6x248 mm (15.69x 9.76") |
| Depth D+T+T | 26.5 mm (1.04") |
| Weight | 4.0 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 |
|---|---|---|
| JSmart715 | +JS715CD1U5P1 | HMI 15.6" TFT, 1366x768, PCAP Touch, 8GB Flash memory, PoE Ethernet + Wi-Fi , JMobile runtime |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