

XA5 Tech-Note

Outdoor HMI 5" Capacitive Touchscreen, sunlight-readable with optical bonding

- 5" TFT color display, resolution 800x480 pixel
- · Projected capacitive touchscreen with optical bonding
- Multitouch operation
- Protection grade IP66/IP67 all-around
- Operating Temperature -30°C to +70°C
- Wi-Fi connection
- 2 Ethernet ports
- 2 CAN FD ports
- Environment light sensor
- Standby mode with low power consumption. Wake-up with CAN message
- Plug-in module for system expansion



Highlights

XA5 is a rugged HMI designed for outdoor applications where robust and flexible instrumentation is needed. Its compact design features IP66/IP67 protection all around and it is suitable for arm-mounted or flush installations. The projected capacitive touchscreen and the brilliant 5" display with optical bonding guarantee great optical performance and sunlight readability.

Advanced power management and software optimization allow fast boot times and control of standby/wake up conditions in accordance with user settings.

Low-power consumption in standby mode is a key feature in battery-operated applications. The robust environmental ratings and the extensive range of interfaces make this products an optimal choice for harsh environments such as outdoor and marine.

- Programmable with JMobile software
- Optional CODESYS PLC
- Optional Corvina Platform connectivity

XA5 - Technical Data

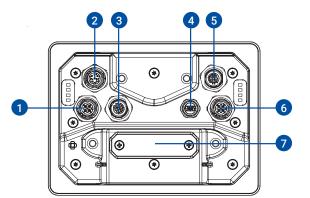


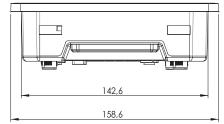




| Display - Colors5" TFT - 64KResolution800x480Brightness500 Cd/m² typ.DimmingYes - down to 0%TouchscreenProjected Capacitive, Multitouch, Optical BondingCPU32-BIT RISC Dual Core 650 MHzOperating SystemLinux RTFlash8 GBRAM1 GBFRAM64 KBReal Time Clock, RTC Back-upYes, rechargeable batteryInterface2 ports 10/100 Mbit/sCAN port2, FD, isolated, up to 1 Mbit/sUSB port1 Host v. 2.0 500mASerial portRes485, isolatedDigital Output1 SSR No 60V 0.5AWi-FiIEEE 802.11a/b/gSensorsTemperature, 3-Axis Accelerometer, Environment LightBuzzerYesExpansion1 slot for plug-in modulesBatings-Power supply24 Vdc (10 to 32 Vdc)Power anagement keyYesEnvironment Conditions-Operating Temperature-40°C to +85°COperating Temperature-40°C to +85°COperating Temperature-40°C to +85°COperating Temperature-166/IP67Dimensions and Weights-Faceplate LxH158.6x115 mm (6.24*x4.53°)Cutout AxB142.6x99 mm (5.61*x3.90°)Dept D+T44+6.5 mm (1.73*+0.26°)Weight0.6 KgApprovalsCERatio Colores-CERatio Equipment Directive 2014/53/EU (RED)DNV*YesUL*cULus: ULE1010-1 / | System Resources | |
|--|---------------------------------------|---|
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| Serial portRS-485, isolatedDigital Output1 SSR NO 60V 0.5AWi-FiIEEE 802.11a/b/gSensorsTemperature, 3-Axis Accelerometer, Environment LightBuzzerYesExpansion1 slot for plug-in modulesRatings | | |
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| BuzzerYesExpansion1 slot for plug-in modulesRatings | | |
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| Approvals CE Radio Equipment Directive 2014/53/EU (RED) DNV* Yes | · · · · · | |
| CE Radio Equipment Directive 2014/53/EU (RED) DNV* Yes | | U.b Kg |
| DNV* Yes | | |
| | CE | Radio Equipment Directive 2014/53/EU (RED) |
| UL* cULus: UL61010-1 / UL61010-2-201 | DNV* | Yes |
| | UL* | cULus: UL61010-1 / UL61010-2-201 |

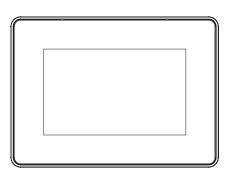
* Scheduled for 2022

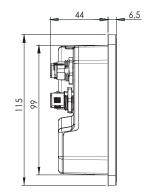




1 CAN Port 1 2 Power supply 3 Ethernet Port 1 (10/100 Mb) 4 USB Port 5 Ethernet Port 2 (10/100 Mb) 6 CAN Port 2

7 Expansion slot for plugin modules





Ordering Information

| Model | Part Number | Description |
|-------|-------------|--|
| XA5 | +XA5U5P1 | Outdoor HMI 5" PCAP Touch, sunlight-readable with bonding, IP67, 2x Ethernet, Wi-Fi, JMobile runtime |

ptn0716 - Version 1.1

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