

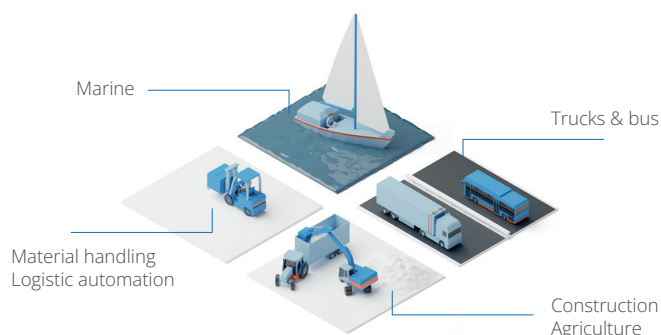
PTview A53-ET

12" ARM-based HMI

A53-ET is a robust and customizable high-performance human machine interface designed for industrial environments. Featuring a capacitive touchscreen, this controller ensures intuitive and responsive operation across a wide range of applications. Housed in a durable IP65-rated enclosure, it is built to withstand harsh conditions such as dust, water, and extreme temperatures.



Application



Robust and durable 12" touchscreen

This 12" industrial touchscreen is purpose-designed for reliable performance in outdoor automation environments. Its robust touch technology eliminates false inputs caused by rain, water droplets, or insects, ensuring precise operation. A 3 mm hardened cover glass delivers exceptional resistance to impact and harsh conditions, while full glove operability enables effortless interaction.

Flexible and tailored-design HMI solution

A53-ET provides exceptional flexibility, allowing for tailored design solutions that align precisely with your specific requirements. It seamlessly integrates into your application, offering customized features without compromising on quality or reliability.

PRODUCT FEATURES



U-boot (secure boot)
Linux/Yocto



Robust



Cost-optimized



Certified

Processing & Memory

Microprocessor	NXP i.MX8M Plus Quad Lite
Cores	Quad ARM Cortex-A53 <1.6GHz
Memory	2GB LPDDR4
Storage	16GB High-speed eMMC (HS-400)

Touchscreen Interface

Display	12.1" TFT LCD panel
Resolution	1024x768
Touch	Capacitive touch

Interfaces

Power input	24V DC
Ethernet	10/100 BASE-T
CAN	Up to 1Mbit/s
USB	USB 2.0

Monitoring

Power input	Voltage and current sensor
Temperature	Temperature sensor
Time	Real-time clock

Software

Bootloader	U-boot (secure boot)
Operating System	Linux Yocto

Environmental Compliance

Ambient temperature	-20 to +50°C
Humidity	90% R.H.
Ingress Protection	IP65
Shock resistance	IEC 60068-2-27, 30G

EMC

Immunity	EN 61000-6-2:2019
Emission	EN 61000-6-3:2020 FCC 47 part 15, subpart B

Safety

Electrical safety	IEC 62368-1:2018 EN IEC 62368-1:2020 + A11:2020 UL 62361-1 3rd edition CSA C22.2 No. 62368-1:19
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Regulatory

	CE, UKCA, cCSAus
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Information subject to change, contact us for more details:

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