



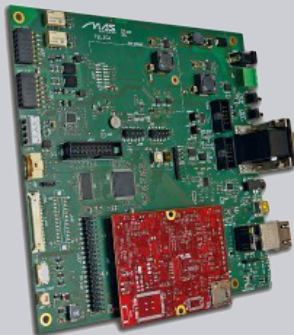
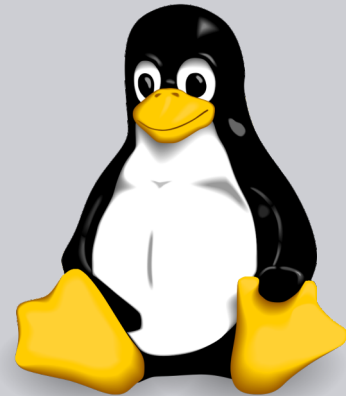
Embedded Boards

Board and TFT – a perfect match

If you are looking for a simple but powerful way to drive your LCD-Mikroelektronik TFTs, check our embedded board offerings.

LCD-Mikroelektronik provides **CPU Boards** and **Single Board Computers** developed by MAS Elettronica. The supported solutions vary from small and cost efficient up to powerful and fully equipped boards.

Available CPUs are for example the **i.MX28x** series from Freescale and the **AM335x** Sitara series from Texas Instruments. Our operating system recommendation is Embedded Linux, on request with a **customized Yocto** distribution for optimal fit of operating system and hardware.



Computer on Modules can be used with standard and custom **carrier boards**, which host all periphery interfaces, ICs and power control.

Depending on your requirements we will suggest a suitable CPU board and carrier board or SBC, for optimal fit with your application and the selected TFT.

MAS Elettronica is an Italian company focused on Embedded Systems and ARM Technology. The experienced development team works on continuous innovation and quality improvement and provides fast engineering and technical support.



Advantages

- Modular
- Customization of operating system and boards available
- Designed for industrial usage
- Made in EU

Complete solutions

We offer complete embedded solutions: board and suitable TFT including development and design service.

Do you need further information?

Please feel free to talk to us; we will be pleased to help.



Selected CPU boards



	Fiamma	Ghita
CPU clock	Up to 1GHz	454MHz
Ram	Up to 1024MB DDR3	Up to 512MB DDR2
Flash	Up to 512Mbytes NAND-Memory. Up to 64GByte µSD.	Up to 512Mbytes NAND-Memory. Up to 64GByte µSD.
Video out	TTL RGB 24bit up to 2048 x 2048	TTL RGB 24bit up to 800 x 480
Optional peripherals and networking	2x Ethernet, WiFi 2,4GHz & 5GHz, Bluetooth, SD-Card, 2x USB, 2x I2C, 2x CAN, RS232, 2x UART, 2x SPI, RTC, Accelerometer, up to 6 analog inputs, up to 42 GPIOs.	Ethernet, WiFi, Bluetooth, µSD 2x USB, 2x I2C, 2x CAN, 4x UART, 2x SPI, audio inputs/outputs, up to 6 analog inputs up to 75 GPIOs.
Software support	Linux, Yocto, Android, WinCE, QT Embedded	Linux, Yocto, QT Embedded
Power supply	5V (opt. 3,3V)	5V (opt. 3,3V)
Power consumption	1-3W	90mW to 0,5W
Temperature range	-40° C to 85° C	-40° C to 85° C
Dimensions	60mm x 80mm	74,3mm x 51,44mm
Availability	2024	2026