

we invent solutions

we develop customized solutions from idea to production and beyond.

Project details: HMI Human-Machine-Interface

Industries

- Automotive, Mechanical Engineering, Medical Technology

Technology fields

- Measurement, Control and Regulation Technology; Software Development, Bus Systems and Radio, Image Processing, CAE, Intuitive Input Devices

Project requirements

- The aim of the project was to develop a platform for an HMI (Human Machine Interface), which offers the possibility to connect a display and provides a variety of interfaces. Among others, the module should also provide the opportunity to accomplish control and regulation tasks.

Facts / Highlights

- 600 MHz ARM processor
- 512 MB of RAM
- 7" or 10.4" display with resistive or capacitive touch
- HDMI, LAN, RS232, CAN bus
- 4x USB
- serial output (TTL) Audio Out
- microSD Card Reader, Realtime-Clock

Services of KNESTEL

- Target price estimate, project management, requirements specification, project planning, development hardware, electrical and mechanical construction, EMC testing, prototyping, serial production

Possible applications

- HMI tasks such as measuring instruments, custom control and regulation tasks with touch input
- Data processing and networking tasks



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