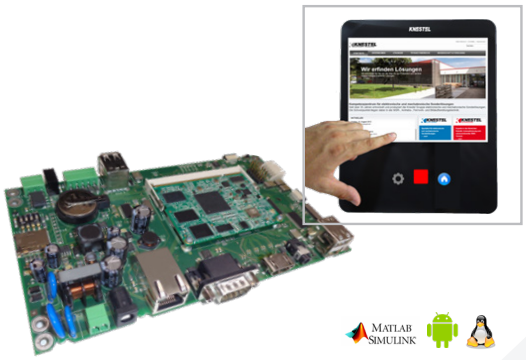
KNESTEL
TECHNOLOGIE & ELEKTRONIK

we invent solutions

HMI
HUMAN-MACHINE-INTERFACE

INDIVIDUALLY APPLICABLE
DISPLAY AND CONTROL CAPABILITY

Automotive, engineering, medical technology



Technology fields

Software development, image processing, MCR technology, CAE, bus systems and radio, intuitive input systems

Requirements of the project

The **project objective** was to develop a platform for an HMI (Human-Machine-Interface), which offers the possibility to connect a display and provides a multitude of interfaces.
Among other things, the module should also offer the possibility to perform control and regulation tasks. accomplish.

Facts/Highlights

- 600 MHz ARM processor
- 512 MB working memory
- 7" or 10.4" display with resistive or capacitive touch
- HDMI connection, LAN, RS232, CAN bus
- 4 x USB
- serial output (TTL), Audio Out
- µSD card reader, real-time clock

Services of KNESTEL

Potential analysis, target price estimation, project management, specifications, project planning, development of software and hardware, electrical and mechanical design, EMC test, prototyping, series production

Possible applications

- HMI tasks such as measuring devices, customer-specific control and regulation tasks with Touch input
- Data processing and network tasks

About KNESTEL: Knestel has been developing and producing customized electronic and mechatronic special solutions in the fields of motor and machine control, frequency converters, image processing, MCR technology, software development, radio, bus systems and gas analysis for 40 years.
We support our customers from the idea to the finished implementation. Individual solutions and concepts - technically up to date. Our production - electronics manufacturing, device and switch cabinet construction, Production of subassemblies, assembly and mechanical processing - is equipped with the latest technology.

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