SIGMA
EVOLVE DIGITALIZATION

Embedded Solutions

Reference report

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About SIGMA

As a reputable system house in Saxony SIGMA Chemnitz GmbH operates as system integrator and partner of well-known Providers in the IT sector. Our over 80 employees at the Chemnitz and Dresden sites form a competent team at the location Chemnitz. With expertise, competence and almost 30 years of experience we offer our customers reliable and powerful solutions.

About our Embedded Team

The Embedded Team of SIGMA Chemnitz works hardware, platform and processor independent and can refer to a large number of references around Windows Embedded, Embed-ded Linux and Android.
Our customers appreciate us as competent, innovative, and highly skilled partner, who will support you from the first problem analysis committed to the goal accompanied. Many years of project experience of our employees form the foundation for effective solu-tions on the latest state of the art technology.
Especially in the field of Windows Embedded we number amongst the last, who still provide development services for this purpose. For the assurance of quality-oriented services of our company work, we strictly follow a quality management system. Since 1996 we have been continuously certified according to DIN ISO 9001:2015.

Technical Facts

Operation system:
• Linux
Processor:
• i.MX6UL

About our embedded service

Embedded operation system:
• real-time capable Linux BSP

Development and customization of a Linux-BSP

moderne Straßenverkehrstechnik
Stührenberg®

🌐 www.stuehrenberg.de

About Stührenberg GmbH

For more than 60 years, the company Stührenberg GmbH has been working in the environment of transport and mobility and has many years of experience in the road transport industry. As a medium-sized company, the company has quickly made a name for itself, even beyond the german borders. Today, Stührenberg GmbH supplies municipalities and companies with the latest road traffic technology from its headquarters in Detmold or from its numerous branch offices with the most modern road traffic technology.
If required, we also provide assembly, installation, maintenance, troubleshooting and repairs. Together with its customers and partner companies, the company develops solutions for the control and technological modernization of road traffic.

About the project

The task of SIGMA Chemnitz GmbH in this project was the development and adaptation of a Linux-BSP to the requirements of the company Stührenberg. The hardware basis is the module TQ-Systems TQMa6UL. The mini module TQMa6ULx, based on the i.MX6UL / i.MX6ULL processor from NXP, combines the the Arm® Cortex®-A7 core technology with a variety of interfaces.
The integrated graphics controller supports applications with display and touch screen requirements. Therefore the module is ideally suited for industrial automation and applications for fast and secure data processing with low power consumption.

This is what our customer says...

„We commissioned SIGMA Chemnitz GmbH with the adaptation of a Linux BSP to our control technology. Real-time capability was an important necessity. The good customer support, clear responsibilities and professional handling convinced us."

Rainer Jilek, Managing director of Stührenberg GmbH

Pictures: Stührenberg GmbH