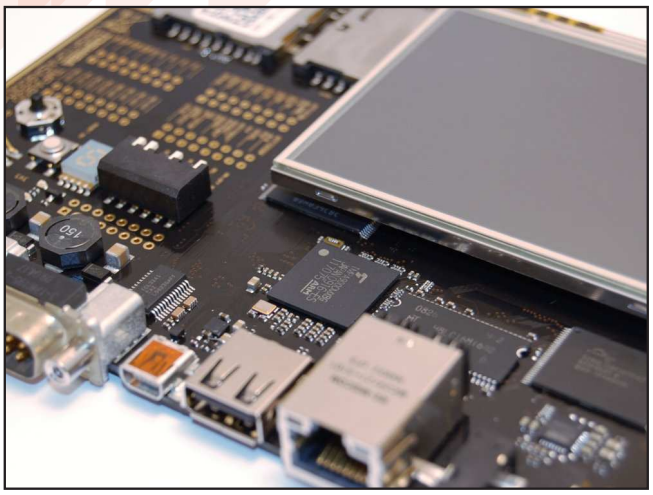
kernel concepts

µCross

The Innovative Distribution

- For ARM, MIPS and PowerPC
- From one consistent source
- Proven OS technology

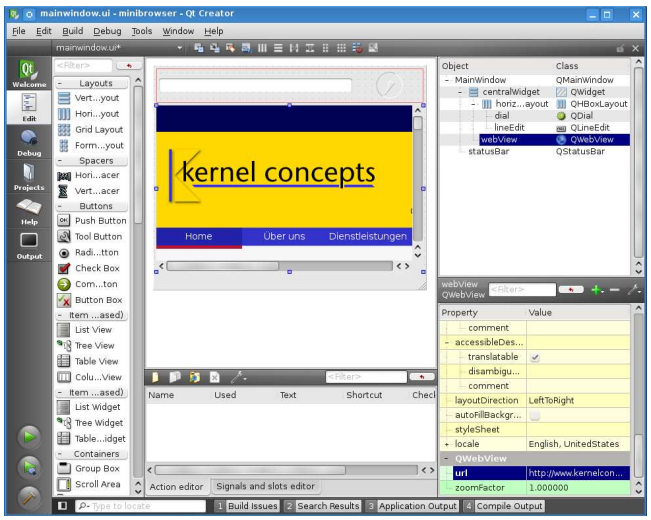


Head Start!

For every embedded product, developers need to create a base installation for their target platform. Apart from a Linux kernel customized for your specific hardware, this typically also spans across various software components which coordinate low level system processes and integrate customer specific solutions into the linux system.
Here, *µCross* provides an ideal base for the start of your development. Carefully maintained and consistent across many CPU families, µCross considerably speeds up the initial start-up of a new hardware platform.

Proven Embedded Technology

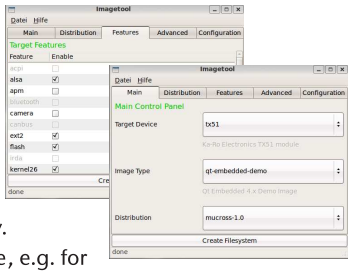
µCross is based on technology widely embraced within the embedded software market. The toolchain's C and C++ compilers are based on **GCC**, package management and distribution is based on **OpenEmbedded**. For easy and fast application development, high level scripting languages (e.g. **Lua**, **Python** and **Perl**) are included. **GTK+** and **Qt**, popular among Open Source developers, allow for powerful GUI applications.



The *µCross* toolchain is easily integrated into free IDEs like Qt Creator, facilitating the design and implementation of complex user interfaces for powerful applications.

A filesystem image, just a few clicks away

Contrary to linux distributions targeted at regular PCs, which are installed on each PC individually, embedded devices are shipped with their filesystem image preinstalled. For this task, *µTIB*, the µCross Target Image Builder, is included. *µTIB* provides an easy to use user interface for the composition and configuration of the filesystem image. This image can then be programmed into the target platform's flash memory. Tailored variations of the image, e.g. for debugging or release purposes, are possible. Apart from the binary packages provided by *µCross*, customer specific files can be incorporated into the image, too.



Support

We continually maintain and improve *µCross*. Apart from bug fixes, we implement a 6 month release cycle for our distribution to keep the software components up to date.
30 days of installation support is included with the purchase. Support by phone, support for board integration and development support is available. Please contact us for an individual offer tailored to your needs.

***µCross* includes:**
- Cross-Toolchains (C, C++)
- SDK with GTK+ and Qt-Support
- µTIB – Target Image Builder
- Package repository for µTIB with
  - 6000+ packages
  - GTK+ / Qt / Qt-Embedded
  - Lua, Python, Perl etc.
- Open-Source-Archive:
  - Source code of all Open-Source components

Architectures:
- ARM V4T / V5TE / V7A
- MIPS32 (little endian)
- PowerPC (big endian)
- x86

Terms and Conditions:
- One time purchase: no royalties
- 30 days of installation support
- New releases every 6 months
- Further support options available

http://www.mucross.com/

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