

Linux Distribution

for Digi Connect Wi-ME



Linux has been chosen by many companies for developing embedded real-time systems as more and more companies are switching from expensive proprietary solutions to cheaper Open Source ones.

Users of Digi Connect Wi-ME can now take advantage of all the benefits of Linux through this distribution.

Our Linux distribution offers:

- uCLinux 2.4.22 kernel
- uClibc 0.9.19 for user applications
- C and C++ supported for application development
- Debugging via pre-built gdb
- Pre-built Busybox and other applications
- Wi-Fi (w/o cryptography), serial interfaces, Flash and EEPROM support
- Supports NFS and CRAMFS root filesystems
- Project-oriented workflow - kernel configuration, rootfs setup and applications are separated from the kernel sources and the toolchain and library sources, thus making it possible to maintain the project in a revision control system
- BOA web server
- JFFS2 support for non-volatile storage
- Wireless tools for configuring wireless parameters
- File transfer to the target via Irz and ftp
- No root access required for firmware building

Note: Our distribution includes free technical support (via e-mail) for setting-up the system and initial flashing.

Other services offered over our Linux distribution

- Customised driver development for your hardware
- Development of application software
- Updating uCLinux distribution



About Digi Connect Wi-ME

The Digi Connect Wi-ME is a fully customizable, future-proof and secure 802.11b wireless embedded module built on leading Digi 32-bit NET+ARM technology. The connector-style module is pin-compatible with the wired Digi Connect ME®, and makes fully transparent 802.11b integration possible without the traditional complexities of hardware and software integration work.

Main hardware features

- Wireless 802.11b network interface
- 1 high-speed TTL serial interface
- 4 MB Flash memory, 8 MB RAM
- Radio pre-certified in North America, EU and Japan

For details, refer www.digi.com



Switching to Linux

Evidence provides consulting on embedded real-time Linux systems to companies already using Linux, and also to those that intend to pass-on from expensive proprietary solutions to more cheaper Open Source ones.

Evidence has expert engineers on Linux porting and development and can help you select the most appropriate Linux solution.

Evidence also provides post-deployment support in form of training (for software developers) and updating the Linux distribution.

About Evidence Srl

Evidence is a company operating in the field of software for embedded real-time systems. It started in 2002 as a spin-off company of the Real-Time Systems (ReTiS) Lab of the Scuola Superiore Sant'Anna (Pisa, Italy). Today, Evidence is a dynamic company having collaborations in the field of electronics, telecommunications, automotives, and industrial automation.

People at Evidence are experts in the domain of embedded and real-time systems, with a deep knowledge on the design and specification flow of embedded software, especially for the embedded market.

Besides providing consultancy services, Evidence also provides: BSPs based on Linux for embedded devices, evaluation boards featuring most innovative 8, 16 and 32-bit microcontrollers for the embedded market, development tools for making embedded software development easier, and tools for the schedulability analysis of real-time tasks running on your final product.

Where to buy

Send an email to info@evidence.eu.com to order your Linux distribution for Digi Connect Wi-ME!