

WinARM is a collection of GNU and other tools to develop software for the ARM-family of controllers/processors on MS-Windows-hosts. Unlike other collections WinARM does not depend on a cygwin or mingw-environment. All needed tools are in the distribution-package. WinARM has been tested with Philips LPC2106, Philips LPC2129, Philips LPC2138, Philips LPC2148 and Atmel AT91SAM7S64, AT91SAM7S256, AT91RM9200 ARM7TDMI(-S) controllers (the list is based on own tests and user feedback). The gnu-toolchain and the supplied tools should work with all microcontrollers based on ARM(-TDMI/Thumb etc.) architecture. WinARM has been made in the spirit of WinAVR which is a collection for Atmel AVR 8bit-Controllers.

WinARM includes in Version 20060606:

- GNU-C/C++-Compiler (cross compiler/linker/assembler arm-elf-..) Version 4.1.1 incl. stdlib3. Compiled from the FSF-Sources
The configuration supports ARM-Mode, Thumb-Mode and Mixed(ARM/Thumb)-Mode, little/big-endian and floating point-emulation
- GNU-Binutils Version Version CVS 20060606 FSF-Sources
- newlib Version 1.14.0 (build for reentrant syscalls)
- newlib-lpc Rel.5a (reentrant syscalls for newlib and Philips LPCs)
- GNU-Utils to support the compiler/linker (make, sh etc. from the mingw-project)
- ARM header-files (register-defintions) from gnuarm.org and others
- Example applications with full source-code, makefiles, linker-scripts and startup-code for Philips LPC2000, ADuC7k and Atmel AT91SAM7 ARM7TDMI controllers. [More](#)
- Examples on my ARM-Projects pages.
- Programmers Notepad Editor Version 2.0.6.1
- The lpc21isp in-system-programming-software for Philips LPC2xxx and the Analog Devices ADUC 70xx family by Martin Maurer. Included Versions: 1.31 and 1.37(BETA)
- Bray Terminal by Vlado Brajer
- Insight-GDB 6.5.50-20060517 - Win32-Native from devkitpro.org
- gdb (command-line without Insight) GNU gdb 6.4.50.20060226-cvs from Codesourcery
- Setup-Exe of Macraigor's OCDRemote (Wigger-gdb interface, Ver. 2.16)
- Open On-Chip debugger (OpenOCD, SVN Version 65) made by Dominic Rath, update available further down.
- H-JTAG (Ver. 0.2.1 beta 20060402) made by "twentyone"
- J-Link gdb-Server V1.0 from the gnuarm yahoo-group

Odporúčam navštíviť [homepage](#)

http://gandalf.arubi.uni-kl.de/avr_projects/arm_projects/WinARM-20060606.zip