

T500 Release 1.10 (SW 2.00.xx)

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This is the Debian GNU/Linux prepackaged version of the GNU compiler
collection, containing Ada, C, C++, D, Fortran 95, Go, Objective-C,
Objective-C++, and Modula-2 compilers, documentation, and support
libraries. In addition, Debian provides the gm2 compiler, either in
the same source package, or built from a separate same source package.
Packaging is done by the Debian GCC Maintainers
, with sources obtained from:

<ftp://gcc.gnu.org/pub/gcc/releases/> (for full releases)
<svn://gcc.gnu.org/svn/gcc/> (for prereleases)

<ftp://sourceware.org/pub/newlib/> (for newlib)
<git://git.savannah.gnu.org/gm2.git> (for Modula-2)

The current gcc-9 source package is taken from the SVN gcc-9-branch.

Changes: See [changelog.Debian.gz](#)

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

Language Compiler package Library package Documentation

Ada gnat-9 libgnat-9 gnat-9-doc
BRIG gccbrig-9 libhsail-rt0
C gcc-9 gcc-9-doc
C++ g++-9 libstdc++6 libstdc++6-9-doc
D gdc-9
Fortran 95 gfortran-9 libgfortran3 gfortran-9-doc
Go gccgo-9 libgo0
Objective C gobjc-9 libobjc2
Objective C++ gobjc++-9
Modula-2 gm2-9 libgm2

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

Language Sources Development Debugging Position-Independent

C++ libstdc++6-9-dbg libstdc++6-9-pic
D libphobos-9-dev

Additional packages include:

All languages:
libgcc1, libgcc2, libgcc4 GCC intrinsics (platform-dependent)
gcc-9-base Base files common to all compilers
gcc-9-soft-float Software floating point (ARM only)
gcc-9-source The sources with patches

Ada:
libgnatvsn-dev, libgnatvsn9 GNAT version library

C:
cpp-9, cpp-9-doc GNU C Preprocessor
libssp0-dev, libssp0 GCC stack smashing protection library
libquadmath0 Math routines for the __float128 type
fixincludes Fix non-ANSI header files

C, C++ and Fortran 95:
libgomp1-dev, libgomp1 GCC OpenMP (GOMP) support library
libitm1-dev, libitm1 GNU Transactional Memory Library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of

'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libatomic
- libdecnumber
- libgomp
- libitm
- libssp
- libstdc++-v3
- libobjc
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Version 3.1, 31 March 2009

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D:
gdc-9 GNU D Compiler
libphobos-9-dev D standard runtime library

The D source package is made up of the following components.

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- d/*

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The DMD Compiler implementation of the D programming language:
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The Zlib data compression library:
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The Phobos standard runtime library:

- d/phobos/*

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./gm2-libs/Builtins.mod:
./gm2-libs/SFIO.mod:
./gm2-libs/MathLib0.mod:
./gm2-libs/gdbif.mod:
./gm2-libs/M2EXCEPTION.mod:
./gm2-libs/SFIO.def:
./gm2-libs/StringConvert.mod:
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ZLIB 1.2.13.0

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