

## OS-9 Ultra C/C++ Compiler

- Next-Generation Advanced Architecture Compiler
- Incorporates Latest Optimization Strategies
- Fully Compliant with the ANSI X3J11 and ISO/IEC 9899:1990 C Language Standards
- Validated with the Plum Hall ANSI C Validation Suite
- Produces High-Optimized, Compact, ROMable Binaries
- Full C Source Level Debugging
- Resident and Cross Development (UNIX and PC) Versions

Microware's Ultra C/C++ is an advanced technology compiler for the OS-9 Real-Time Operating System. Ultra C/C++ incorporates a revolutionary compiler design with state-of-the-art optimization techniques to extract maximum performance from modern 16-, 32-, and 64-bit CISC and RISC microprocessors.

Unlike traditional compilers that translate source code into microprocessor-specific assembly language, Ultra C/C++'s front end modules compile source code into an intermediate code (I-code) format that is independent of the source language and target microprocessor.

The I-code representation of the program can then be linked against C/C++, OS and User libraries to generate an I-code image of the entire application. This file is processed by an I-code optimizer which performs various optimizations as specified by the user.

In the last stages of compilation, Ultra C/C++'s back end modules translate the optimized I-code file into assembly language for the target Intel Architecture microprocessor. This code is further optimized, assembled, and linked into an executable module.

Linking and optimizing at the I-code level allows Ultra C/C++ to perform true inter-procedural optimization over the entire

application, resulting in much faster and typically smaller executables.

Ultra C/C++ contains a single, non-transferable object code copy of the Ultra C/C++ Compiler system modules, support libraries, documentation and 90-day "Hotline" support.

HOST SYSTEMS SUPPORTED:  
Windows, Sun 4/SunOS, Sun 4/Solaris, RS 6000, SGI, and HP 9000 Series 700

PROCESSORS SUPPORTED:  
Intel386™ CX/EX/SX/SXSA/DX,  
Intel486™ SX, IntelDX2™, IntelDX4™, and Pentium® processors

AVAILABILITY:  
Now

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