

TASKING ASM251 Assembler

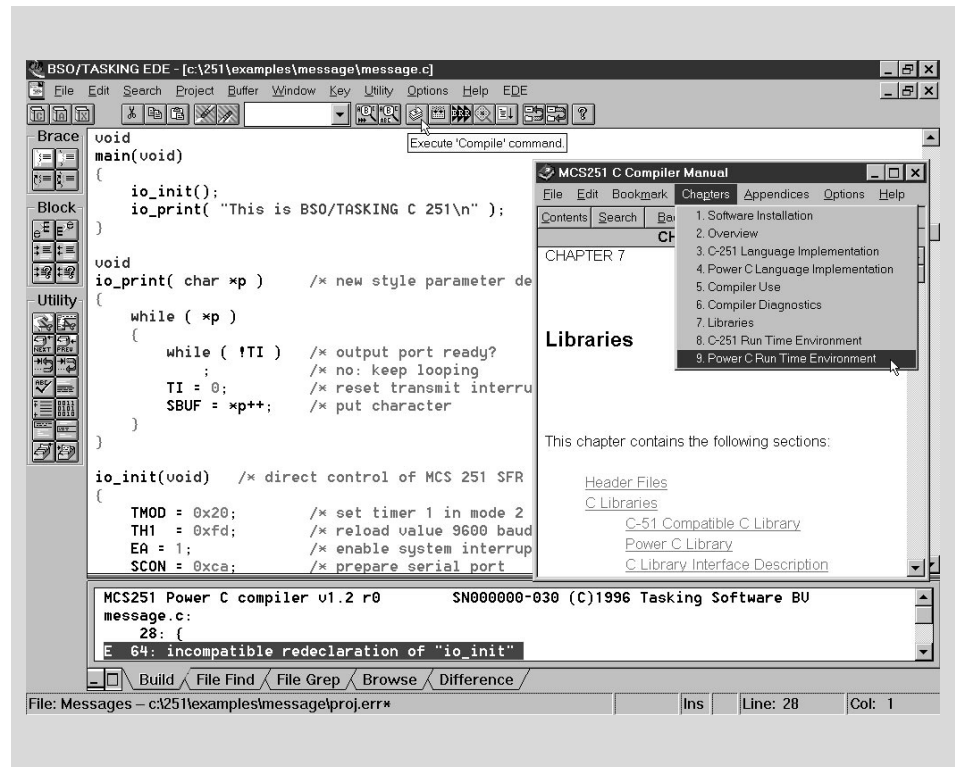
- Windows* Based Embedded Development Environment
- Intel Compatible Macro Preprocessor
- Generates Relocatable Object Code and Listing Files
- Optimizes Intel's MCS® 251 Microcontroller Instructions
- Intel Compatible Linker Control Files
- \$MODE Control For Binary or Source Mode
- Segment Overlay at Assembly Level
- Intel Compatible Assembler Source
- Extensive Map Files and Diagnostic Messages
- Full Intel OMF-251, IEEE-695 and Intel Hex

Assembler

The assembler package consists of macro assembler, linker, locator, utilities and EDE our Windows based embedded development environment. The assembler translates Intel's MCS 251 microcontroller assembly language into relocatable object code. The assembler accepts Intel compatible assembler source programs and produces relocatable (.obj) object files. An absolute or executable load image is then obtained by using the linker/locator. It supports all members of the Intel MCS 251 microcontroller family and is compatible with high level and assembly level debuggers.

Linker/Locator

The linker/locator is an essential part of the software building process that enables you to configure the code to match your target environment. It brings together all the necessary relocatable objects, including library modules, resolves external references and then locates the modules in memory according to your specification. Features include intermodule type checking, incremental linking, automatic segment and generation of listfile including a printed function call tree of the whole application. In addition the locator supports CPU and user mapping of memory, segment allocation, reserving memory



areas, the configuration bits, encryption arrays etc. The linker accepts object files and object libraries in either IEEE-695 or Intel OMF-51 format.

Utilities

The librarian lets you create a library, add object modules to a library, remove object files from a library and list the contents of a library. Make is a utility that automates the task of building or reconstructing your application. It prevents errors by ensuring that applications can be accurately rebuilt and saves time by re-assembling only modules that changed since the last build. Make can be invoked from the EDE by clicking on the Make button in the ribbon bar or from the command line.

Third-party support includes interoperability with real time kernels (such as Embedded System Products RTXC251), emulators (such as Ashling, Hitex, Metalink, Nohau) and other tools (Inform FuzzyTECH251, Intel *Ap*BUILDER).

MICROCONTROLLERS
SUPPORTED:
8xC251Sx, 82930A

DEVELOPMENT PLATFORMS:
Windows 3.1, Windows 95, Windows NT,
Extended DOS, Sun SPARC/SunOS, Sun
SPARC/Solaris, HP9000, DEC Alpha,
VAX/VMS

AVAILABILITY:
Now

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