

## ChipON KF8 Custom Library and Instruction for Use

- **Library Related Files**

Header file, i.e. \*.inc or \*.h

Library file, i.e. \*.o or \*.lib

The library file here refers specifically to o file.

- **Library File Writing**

Normal writing of conventional C project or assembly projects, which separate library-related methods from single or multiple library method files to be made.

For example, C project: The header file at the time of writing is the external declaration file of the library. The source file is compiled in the ".o" file with the corresponding file name in the Debug or Release directory. Where the library should be compiled with the Release option and use the corresponding one in the Release directory. It should be note that the header file should only complete its own declaration or reference declaration of external symbols, and can be migrated to any project independently.

For example assembly project: You can writing an ".INC" assembler style header file. The independent ".Asm" source files also becomes as library. Assembler library files need to use backspace ".global" to declare variables or functions.

In addition, it should be noted that variables outside the library should have a clear style, so as to achieve independent and generic, that is, don't have the same name of the external function and variables. A library developed by a C project or a assembly development, matching the header file (\*.inc or \*.h) of the target project can make method calls and variable assignment pass.

- **Library File Usage**

Add the corresponding header file of the target project to the project, and the inclusion implementation method of the header file is visible to the project.

Add library files to the initial compilation or existing Debug and Release folders.

Add a library file to the link path of the project.

- **Library Path Add**

In Project Explorer, select the project, right-click, and select properties.

Click On C/C++ Build, and select Settings.

Select Debug and Release in the Configuration drop-down box, respectively. And complete the addition in the Tools Settings tab.

Select "Asm Linker Debug (Release)" or "C Project Linker Debug (Release)", and finish adding the space-spaced library file name after the command. For example, kf8link -O2 -c -m -z Abc.o.