

Note on C/C++ Compiler package for H8SX, H8S and H8 Family V.7.00 Release 00

Remind following notes about H8S, H8/300 Series C/C++ Compiler.

- Character code in string(English Windows(R))

Other than SJIS code in string may cause "C2404(E) Illegal character code "character code"" message.
Specify latin1 option, please.

- Information level message

When either lang=cpp or lang=c99 option is valid, "C0005(I) Precision lost" message is not output.

When lang=c option is valid, "C0003(I) Unreachable statement" message is not output.

- "F" conversion has no precision is not output as precision is 0.

Example: `printf("%.f¥n", 1234.56789);`

output: 1234.567890

-Appended User's Manual

(1) Feature for C99 language

C99 language features:

lang=c99, c89stdio, c99stdio and head=c99_complex, inttypes, wchar, wctype

They are available if cpu= h8sxa, h8sxn, h8sxn, h8sxn, h8sxx ae5 or rs4 is specified. They are available if cpu=2600a, 2600n, 2000a or 2000n is selected without legacy=v4

(2) inline keyword

“inline” keyword which is supported in C++ and C99 and “#pragma inline” is different specification. A following table shows its difference.

Language	#pragma/keyword	default linkage	linkage modification	Note
C,C++,C99	#pragma inline	External	Yes	Internal Linkage: Each object file has function definition code which has an internal name if it is not expanded. External Linage: Each object file has function definition code which has an external name.
C++	inline keyword	Internal	No	Internal Linkage: Each object file has function definition code which has an internal name if it is not expanded.
C99	inline keyword	Internal	Yes	Internal Linkage: Each object file has function definition code which has an internal name if it is not expanded. External Linkage: There is Function call code then unique function definition is needed in load module.