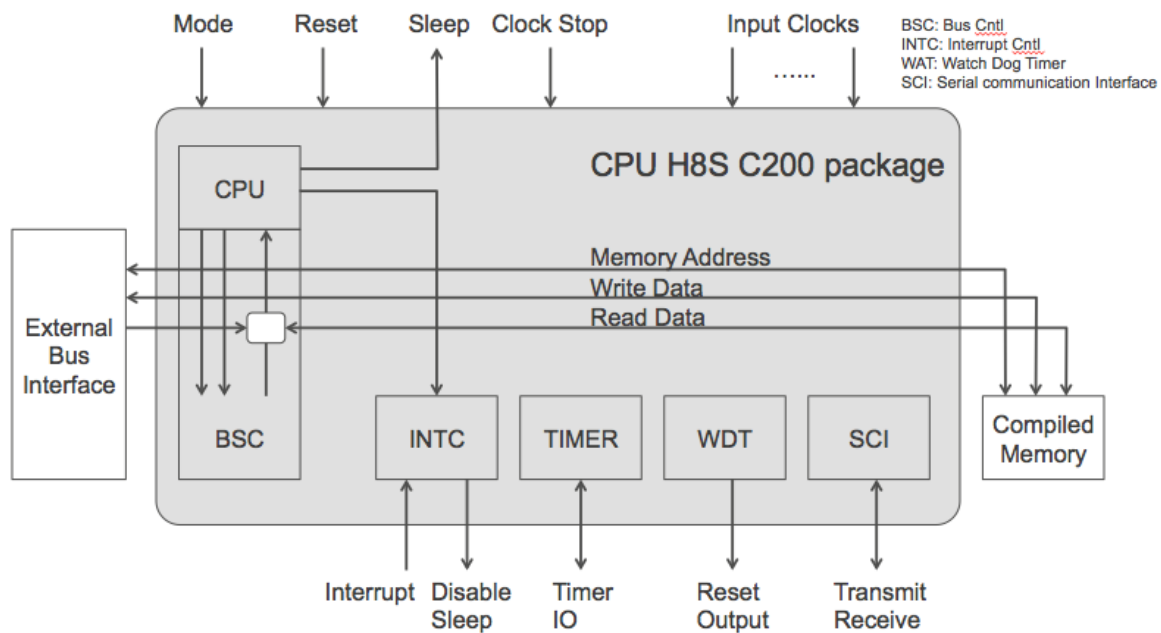# CPU H8S C200 package

H8S 16bit Micro Controller

Overview

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H8S is a 16-bit top-level model.
It is command compatible upper order with H8 / 300, H8 / 300H.
CPU H8S C200 package includes BSC, INTC, Timer, WDT, SCI peripheral modules.
For other peripheral IP, please contact us.

Key Features

- Reference Product Name: H8S / 2600 2000 series
- H8 / 300 and H8 / 300H CPU object programs can be executed.
- https://www.renesas.com/ja-jp/products/microcontrollers-microprocessors/h8s.html

Differences from H8 / 300 CPU

- General purpose register and control register are expanded.
- We extend the address space.
- When in normal mode, the same 64 kbyte address space as H8 / 300 CPU can be used
- Maximum 4 Gbyte address space can be used in advanced mode
- Bit manipulation instruction, signed multiply and divide instruction, 2 bit shift, 2 bit rotate instruction, multiple register save / restore instruction, test and set instruction are added.
- We have doubled the basic instructions.

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