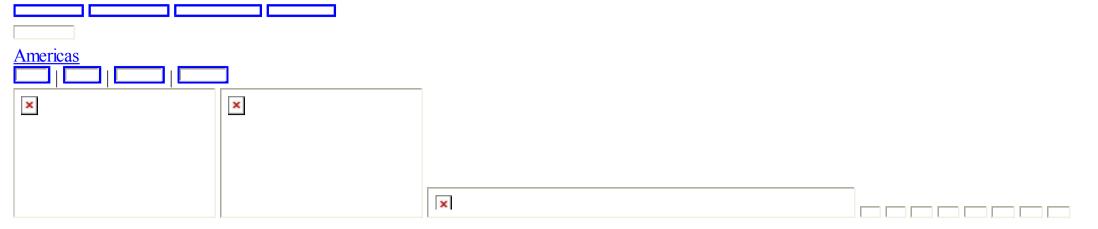
- Global
- Americas
- Europe
- <u>Japan</u> Singapore
- Hong Kong
- Shanghai
- <u>Taipei</u>
- Seoul
- Russia



Renesas Global Navigation:









Search the Renesas Site:

Keyword or Part No

Search the Renesas Site:

Home / Products / MPU and MCU / SuperH RISC engine Family / SH7780 Series /

Print this page

г

SH7763

SH7763

Block Diagram

Pin Arrangement
Product

Specifications

Application Notes

Documentation

<u>FAQs</u>

Purchasing Info

Software and Tools
Technical Update

Alliance Partners

Related

M16C Family

Catalog

Resources

Product Overview:

The SH7763 is a RISC (reduced instruction set computer) microcomputer incorporating a 32-bit SH-4A CPU core.

This LSI operates at a maximum operating frequency of 266MHz and incorporates FPU supporting single-precision and double-precision. This LSI incorporates DDR-SDRAM and a 32-bit local bus state controller which connects SRAM or flash memory, enabling efficient interface with memory.

In addition, this LSI includes peripheral functions such as a gigabit Ethernet controller performing high-speed data transfer, a PCI bus state controller connecting an LSI with a PCI interface, a moving image stream interface enabling transmission of MPEG-2 TS (Transport Stream) format data, a security accelerator, an LCD controller and USB host/function controller.

Key Features:

- Operating frequency
 - o 266MHz
- CPU performance
- o 478MIPS@266MHz
- Cache
 - Large capacity cache: 32kB Instruction (4-way set associative)
 32kB data (4-way set associative)
- Debug
- o H-UDI, UBC
- Package
- o BGA449
- Other features
 - o On-chip Gigabit Ethernet controller which performs high-speed data transfer
 - Enables concurrent use of a two-channel Ethernet controller (100Base-T) and a PCI bus controller, and supports wired and wireless LAN simultaneously
 - o Moving image data transfer via an on-chip secure accelerator and a moving image stream interface
 - High speed display of data downloaded from a Ethernet controller and PCI bus controller via an LCD controller.

H8 Family Catalog

SuperH Family Catalog

Key Applications:

- Digital home appliances: Media receivers, home servers, PC peripheral devices
- Digital nome appliances. Wedia receivers, nome servers, reciperphetal devices
 Network appliances, IT terminals: Surveillance cameras, multifunction printers, IP intercoms, network printers

SuperH Core Licensing

Product Lineup:

Online interactive training Forum

SuperH Solutions brochure SH7763 See more specifications **Operating** 1000 Piece Frequency/ **Package** Buy Docu Part No. **ROM RAM ROM Type** Status Remarks **Budgetary** Supply Code Now ments **Price** Voltage 266MHz/1.25V (internal), **ROMless PDF** R5S77630AY266BGV -16K USB BP-449 3.3V(I/O), 2.5V(DDR) 266MHz/1.25V (internal), **PDF** R5S77631AY266BGV -16K ROMless USB BP-449 3.3V(I/O),2.5V(DDR) 266MHz/1.25V (internal), PDF R5S77632AY266BGV -16K ROMless USB BP-449 3.3V(I/O),

2.5V(DDR)

Sitemap

Careers

Using Our Website

Terms of Use

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for 8-bit Microcontrollers - MCU category:

Click to view products by Renesas manufacturer:

Other Similar products are found below:

CY8C20524-12PVXIT CY8C28433-24PVXIT MB95F012KPFT-G-SNE2 MB95F013KPMC-G-SNE2 MB95F263KPF-G-SNE2 MB95F263KPF-G-SNE2 MB95F264KPFT-G-SNE2 MB95F398KPMC-G-SNE2 MB95F398KPMC-G-SNE2 MB95F636KWQN-G-SNE1 MB95F696KPMC-G-SNE2 MB95F698KPMC1-G-SNE2 MB95F698KPMC1-G-SNE2 MB95F698KPMC2-G-SNE2 MB95F698KPMC-G-SNE2 MB95F698KPMC1-G-SNE2 MB95F698KPMC2-G-SNE2 MB95F698KPMC-G-SNE2 MB95F698KPMC1-G-SNE2 MB95F698KPMC2-G-SNE2 MB95F631ECDFBV0 C8051F389-B-GQ C8051F392-A-GMR ISD-ES1600_USB_PROG 901015X SC705C8AE0VFBE STM8TL53G4U6 PIC16F877-04/P-B R5F10Y17ASP#30 CY8C3MFIDOCK-125 403708R MB95F354EPF-G-SNE2 MB95F564KPFT-G-SNE2 MB95F564KWQN-G-SNE1 MB95F636KP-G-SH-SNE2 MB95F636KPMC-G-SNE2 MB95F694KPMC-G-SNE2 MB95F778JPMC1-G-SNE2 MB95F818KPMC-G-SNE2 MC908QY8CDWER MC9S08PT16AVLD MC9S08PT32AVLH MC9S08PT60AVLC MC9S08PT60AVLH C8051F500-IQR LC87F0G08AUJA-AH CP8361BT STM8S207C6T3 CG8421AF