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SH7763

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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
 - 266MHz
- CPU performance
 - 478MIPS@266MHz
- Cache
 - Large capacity cache: 32kB Instruction (4-way set associative) 32kB data (4-way set associative)
- Debug
 - H-UDI, UBC
- Package
 - BGA449
- Other features
 - 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
 - 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.

Key Applications:

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

Product Lineup:

SH7763

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

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[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](#)
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