



## News Release

April 22, 2008  
Novatec Corporation

**Novatec launches “NTSH7764” evaluation board for Renesas’ SH7764 microprocessor, targeted for industrial embedded devices to multimedia devices.**

Novatec Corporation (Tokyo, Japan; CEO: Ichiro Saji) announces the launch of their new evaluation board, “NTSH7764” using Renesas Technology’s SH7764 microprocessor. Product will be available for purchase from April 24.

“NTSH7764” is an evaluation board developed by Novatec, and it can be used to evaluate SH7764 for various applications including digital audio devices such as HDD audio players and network audio players, multimedia devices such as car navigation systems, and embedded devices for industrial applications. Manufacturers can reduce development costs and shorten time to market by using this board for system prototypes and for developing software until the hardware is completed.

### Main Features

- All features of SH7764 on 200mm x 240mm board.
- IDE(ATAPI) interface for HDD/CD drives and on-board 1Gbyte NAND Flash memory.
- 1 port 10/100Mbps LAN, 1 port USB2.0 Host, 2 channels Serial Interface.
- Audio Out x3 channels, Audio In x1 channel (mini jack).
- JTAG-ICE debug port.
- LCD controller/RGB output for display purposes.
- Linux boot program and Linux OS stored on Flash memory so that Linux development environment will be available upon power on. ( Linux drivers for peripheral devices also provided )

This product also implements on-chip debug features so that real-time debug on maximum frequency is possible. JTAG ICE for efficient software debugging is can be provided by Sophia Systems.





**Renesas Technology Corporation**

**System Solution Business Group, System Solution Product Marketing Department**

**Senior Manager, Kimihiro Sugino comments:**

SH7764, featuring a SH-4A CPU core, is a high performance microprocessor that is capable of high functional multimedia systems. We think Novatec’s “NTSH7764” board can bring out the full features of SH7764 that can be a very useful platform for customers to evaluate their software in developing products.

< Main Specifications >

Basic Specifications	CPU	SH7764 Max frequency 294.912MHz, LBUS 98.304MHz
	Program Memory	Flash ROM 32Mbyte
	Work (Main) Memory	SDRAM (98.304MHz) 64Mbyte
	NAND Flash Memory	1Gbyte
	HDD Interface	IDE Connector (SH7764 on-chip feature)
	LAN Port	10BASE-T/100BASE-TX 1 port (Using SH7764 internal MAC )
	USB Port	USB2.0 HOST 1 port (SH7764 on-chip feature )
	Serial Interface	RS232C 2 channels (SH7764 on-chip feature )
	Debug Connector	JTAG port ( SH7764 on-chip feature )
	AV Connector	LCD/RGB display, Audio mini-jack (Line Out x 3, Line in x1) (SH7764 on-chip feature)
	External I/O	External expansion bus I/F connector
Software Specifications	Supported OS	Linux ( Default ) ,WinCE ( to be supported )
	Applications	Plant controller, vending machines, POS systems, car navigation systems, HDD audio systems, etc.

**About Novatec**

Novatec Corporation is a silicon system integrator that provides total solutions for semiconductors to network and embedded software solutions.

Novatec develops hardware and software and provides solutions for digital multimedia CE products. Novatec also develops and manufactures hardware and software for low-cost IP-PBX and can provide a full-support service in system design to project management.

More information on Novatec Corporation is available at: [www.novatec.co.jp](http://www.novatec.co.jp)

**■Contact**

**Novatec Corporation**

**Business Development Division**

**Tel : 03-5759-2612 E-mail : [sales@novatec.co.jp](mailto:sales@novatec.co.jp)**