

# MPEGstreamer

by Eagletron Inc.



*Internet audio/video encoder, multi-caster, and receiver*

## Hardware Specifications



The **MPEGstreamer** incorporates the VIA CN400 Digital Media chipset including support for DDR266/333/400 and greater digital media performance on the rapidly emerging new generation of smart digital entertainment devices such as PVRs, set top boxes, and media centers. The Chromotion CE Video Display Engine of the S3 Graphics UniChrome™ Pro IGP graphics core features hardware-based decoding and MPEG-4 acceleration for smooth playback of the most popular video formats, together with Adaptive De-Interlacing and Video De-Blocking advanced video rendering functions for unequalled image crispness.

The **MPEGstreamer** features the VIA C3 processor based on the C5P Nehemiah core with its integrated VIA PadLock™ Advanced Cryptography Engine (ACE) for high-speed encryption and decryption of the US government approved Advanced Encryption Standard (AES). The C5P Nehemiah core includes two VIA PadLock Random Number Generators (RNGs) that provide high quality entropy for security applications, such as key generation or hard disk scrubbing, without relying on precious CPU cycles to generate random numbers through software.

Additionally, the **MPEGstreamer** supports an impressive range of high-speed storage and connectivity options, such as Serial-ATA, IEEE 1394 (Firewire), USB 2.0 and 10/100 Mbps Fast Ethernet. The **MPEGstreamer** also offers support for various LVDS embedded LCD panels, has a PCI slot for expandability options.

(Detailed Specifications on reverse side.)

## Contact Information

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## MPEG *streamer* Detailed Specifications

<b>Processor</b>	- VIA C3™/ VIA Eden™ EBGA processor
<b>Chipset</b>	- VIA CN400 North Bridge - VIA VT8237 South Bridge
<b>System Memory</b>	- 1 DDR266/333/400 DIMM socket - Up to 1GB memory size
<b>VGA</b>	- Integrated VIA UniChrome™Pro AGP graphics with MPEG-2 decoder /MPEG-4 Accelerator
<b>Expansion Slots</b>	- 1 PCI
<b>Onboard IDE</b>	- 2 X UltraDMA 133/100 Connector
<b>Onboard Serial ATA</b>	- 2 SATA Connectors
<b>Onboard LAN</b>	- VIA VT6103 10/100 Base-T Ethernet PHY
<b>Onboard Audio</b>	- VIA VT1617A 6channel AC' 97 codec
<b>Onboard TV Out</b>	- VIA VT1623 TV Encoder
<b>Onboard 1394</b>	- VIA VT6307S IEEE 1394 Firewire
<b>Back Panel I/O</b>	- 1 PS2 mouse port - 1 PS2 keyboard port - 1 RJ-45 LAN port - 1 Serial port - 2 USB 2.0 ports - 1 VGA port - 1 PCA port (SPDIF or TV out) - 1 S-video port - 3 Audio jacks: line-out, line-in and mic-in (Smart 5.1 Support)
<b>Onboard I/O Connectors</b>	- 3 USB connectors for 6 additional USB 2.0 ports - 1 1394 connector for 1 1394 port - 1 Serial port connector for a second com port - 1 VIP connector - 1 Front-panel audio connector (Mic-in and Line-out) - 1 CD audio-in connector - 1 FIR connector - 1 CIR connector (Switchable for KB/MS) - 1 LPT port connector - 1 Wake-on-LAN connector - 2 Fan connectors: CPU/Sys FAN - 1 I2C connector - 1 LVDS/TTL module connector (Optional) - 1 +12V power connector - ATX power connector
<b>BIOS</b>	- Award BIOS - 4/8Mbit flash memory
<b>System Monitoring &amp; Management</b>	- CPU voltage monitoring - Wake-on-LAN, Keyboard Power-on, Timer Power-on - System power management - AC power failure recovery
<b>Operating Temperature</b>	0~50°C
<b>Operating Humidity</b>	0% ~ 93% (relative humidity; non-condensing)
<b>Form Factor</b>	- Mini-ITX (6 layer) - 17 cm x 17 cm

\* The specification is subject to change without prior notice.

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