

ION 3D SERIES



Detail Specification <<<

| Model | ION 3D 152D Series | ION 3D 152B Series |
|-------------------|---|---|
| CPU | Intel® Atom D525 Dual core Processor | Intel® Atom D525 Dual core Processor |
| OS | Genuine Windows® 7 Home Premium (Optional) | Genuine Windows® 7 Home Premium (Optional) |
| Chipset | Intel® ICH8M | Intel® ICH8M |
| VGA | NVIDIA® GT218 Graphics (with 512MB DDR3 Frame buffer memory) | NVIDIA® GT218 Graphics (with 512MB DDR3 Frame buffer memory) |
| Memory | 1x2G DDR2-800MHz Support DDR2 800MHz, 2x SO-DIMM slots, Max. up to 4GB | 1x2G DDR2-800MHz Support DDR2 800MHz, 2x SO-DIMM slots, Max. up to 4GB |
| HDD | 320GB Support 2.5" SATA HDD | 320GB Support 2.5" SATA HDD |
| ODD | DVD Super Multi | BD Combo |
| Audio | 7.1 Ch HD Audio with DTS | 7.1 Ch HD Audio with DTS |
| LAN | Gigabit LAN | Gigabit LAN |
| Front I/O | 2xUSB 3.0, 1xMIC, 1xHead Phone | 2xUSB 3.0, 1xMIC, 1xHead Phone |
| Rear I/O | 1 x HDMI, 1x D-Sub VGA, 1xDVI (Dual-Link) , 6xUSB 2.0, 1xS/PDIF | 1 x HDMI, 1x D-Sub VGA, 1xDVI (Dual-Link) , 6xUSB 2.0, 1xS/PDIF |
| WiFi | 1T2R 802.11b/g/n | 1T2R 802.11b/g/n |
| Remote Controller | MCE Remote Controller | MCE Remote Controller |
| Power | 65W/19V Adapter | 65W/19V Adapter |
| Dimension | 195 (W) x 70 (H) x 186 (L) mm | 195 (W) x 70 (H) x 186 (L) mm |
| Volume(liters) | 2.5L | 2.5L |
| Weight | 1.7 KG | 1.7 KG |

Home Theater PC

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Genuine Windows® 7 Home Premium

ASRock ION 3D HTPC series are fully compatible with Microsoft Windows® 7!



Low-power Intel® Atom™ D525 Dual Core CPU

Intel® Atom™ D525 CPU processor-based ION 3D HTPC series offers both an easy-to-use mobile device with simple interfaces and targeted performance for a good energy saving experience.



SuperSpeed USB3.0 HTPC System

ASRock ION 3D HTPC series comes with 2 x USB3.0 ports which delivers data transfer rates up to 10X faster than USB2.0 with the optimized power efficiency. USB3.0 promises a major leap forward in transfer speeds and capacity.



Next-generation NVIDIA® ION™ Graphics Architecture

Carried with the awesome Next-generation NVIDIA® ION™ graphics technology which is well-known for its outstanding graphics performance, ASRock ION 3D HTPC series enable you to immerse in a qualified movie and video phenomenon.



Native Full HD 1080p playback

Supporting Full HD 1080p playback, ASRock HTPC series give you "better than cinema" quality and the ultimate movie experience in the comfort of your own home!



dts Connect

Get the Cinema-Style Sound from your PC! With DTS, ASRock ION 3D series can let you enjoy a better way of experiencing music, movies and games. It delivers the advanced and excellent audio quality, enables you to hear every detail in riveting surround sound.



MCE Remote Controller

ASRock MCE Remote Controller is exclusively able to power on the system at the first time of the plug-in of AC power. It prides itself on delivering a fast, intuitive, convenient and rich media experience for the multimedia entertainments.



802.11n Wireless Networking

Allows two-way transmission direction, WiFi 802.11n provides a wider bandwidth to cover longer distance coverage.



HDMI 1.4a

ASRock ION 3D HTPC series supports onboard HDMI 1.4a output which support 3D formats for broadcast and movie content.



BD (Blu-ray Disc) Combo

BD Combo which not only supports Blu-ray disc, but also capable of burning and reading DVD and CD. It definitely brings you the efficient, stable data transfer, the dazzling audio and visual experience.



3DTV play

NVIDIA® 3DTV Play™ allows you to leverage the 3D processing power of your GPU to create an immersive 3D experience in your own home.



Dual Link DVI

With Dual Link DVI support, ASRock ION 3D HTPC Series support Blu-ray 3D Playback for your fantastic 3D experience. Supporting 120 Hz monitor with max. resolution up to 1920x1080(16:9) and 1920x1200(16:10); 60 Hz monitor with max. resolution up to 2560x1600.



1 2 x USB3.0 ports

2 Microphone

3 Head Phone

4 Power ON/OFF button

5 DC-In jack

6 Optical S/PDIF Out port

7 Audio Jack x5

8 LAN (RJ-45) port: Local Area Network

9 6 x USB2.0 ports

10 HDMI connector

11 D-Sub Connector

12 DVI-D connector

Home Theater PC

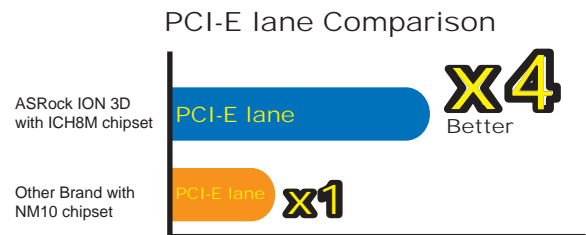
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Performance Comparison

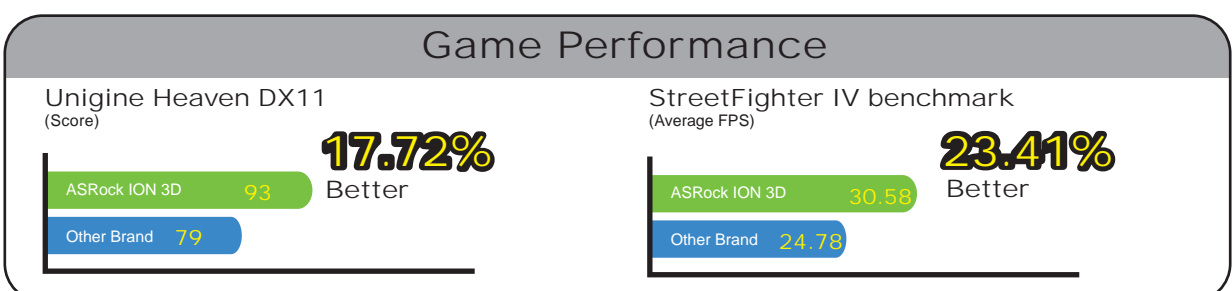
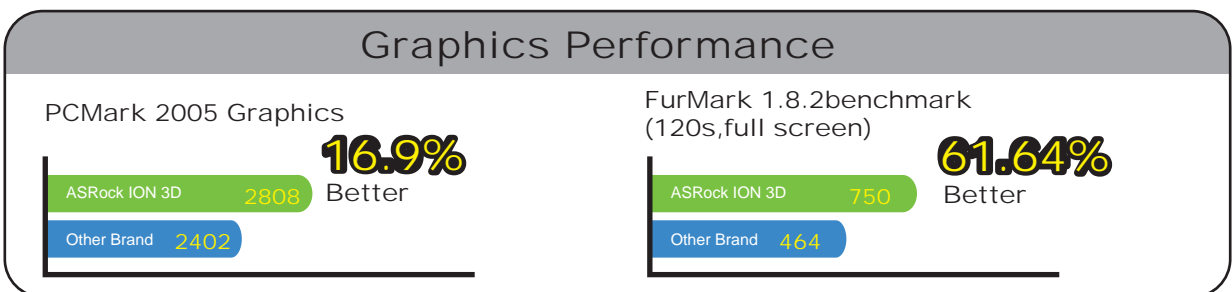
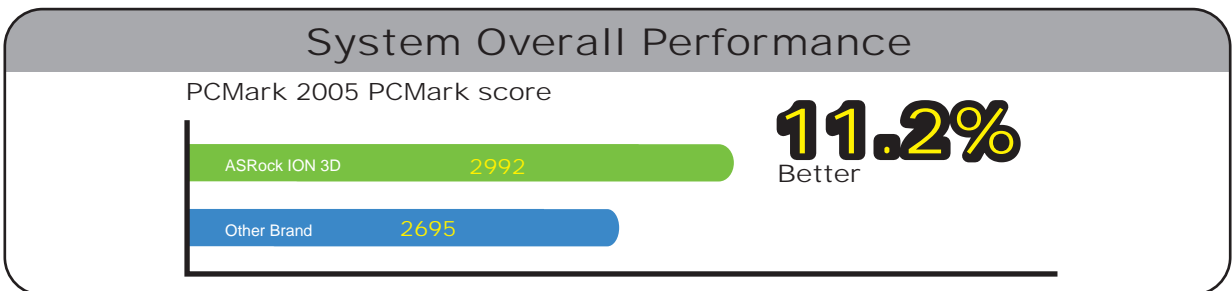
Based on Intel Atom D525 Dual-Core CPU, ASRock ION 3D HTPC is a powerful multimedia system that is perfect for you family! What's more, ASRock ION 3D is specially equipped with ICH8M chipset that allows Nvidia GT 218 GPU running at PCI-E x4!

Configuration

| Model | ASRock ION 3D | Other Brand |
|---------|------------------------------|------------------------------|
| CPU | Intel Atom D525 1.8G | Intel Atom D525 1.8G |
| Chipset | ICH8M (PCI-E x4) | NM10 (PCI-E x1 only) |
| RAM | 2GB | 2GB |
| HDD | GT218-ION | GT218-ION |
| OS | Windows 7 Home Premium 64bit | Windows 7 Home Premium 64bit |



From below figures shown, you can clearly see that ASRock ION 3D surpassed all text subjects. In terms of system overall performance, graphics performance and game performance, ASRock ION 3D HTPC Series equipped with ICH8M chipset that offers better computer ability!

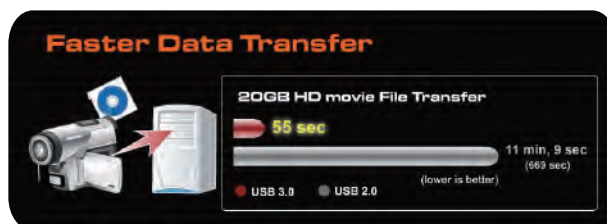


ION 3D SERIES

SuperSpeed USB 3.0 Technology

Utilizing the world's best-known computer peripheral interface – USB 3.0, ASRock ION 3D HTPC Series set the new standard in high performance computing. Proving once again to be the pioneer in motherboard industry, ASRock ION 3D is equipped with two USB 3.0 ports in the front panel that ensures the world's fastest USB data transfer speed.

Delivering data transfer rates up to 10X faster than USB 2.0 with optimized power efficiency. USB 3.0 technology advances the data transfer rate up to 5Gb/s.



<http://www.asrock.com/Feature/USB3/index.asp?cat=Introduction#Comparison>

HDMI 1.4a

Keeping you in tune with life, the ASRock ION 3D HTPC allows users to enjoy the next dimension in multimedia entertainment. ASRock ION 3D is equipped with HDMI 1.4a output which supports 3D movie, photo and game.



NVIDIA 3DTV Play

NVIDIA 3DTV Play Software, included free with all 3D Vision PCs, powers the 3D PC experience when using a 3D TV and compatible 3D TV manufacturer's glasses. Experience all of the same great 3D Vision PC content on your big-screen 3D TV! ASRock ION 3D has bundled with NVIDIA 3DTV Play Software that enables 3D features and applications support on all HDMI 1.4a 3D TVs.



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ASRock ION 3D HTPC Series deliver the terrific viewing experience. It has a powerful build-in Next-Generation ION graphics which supports 3D display, allowing user to enjoy a vivid 3D entertainment experience! With its amazing 3D display capability, you are able to experience the highest quality movie like never before!

What You Need For 3D ?

3D Monitor



NVIDIA 3D Vision Kit



3D Vision-Ready Display



ASRock ION 3D

3D TV



HDMI 1.4 Enabled 3DTV and 3D Glasses



ASRock ION 3D

Home Theater PC

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ASRock AIWI utility introduces a new way of PC gaming operation. ASRock AIWI is the world's first utility to turn your iPhone/iPod touch as a game joystick to control your PC games.

All you have to do is just to install the ASRock AIWI utility either from ASRock official website or ASRock software support CD to your ION 3D, and also download the AIWI Free from App store to your iPhone/iPod touch. Connecting your ION 3D and apple devices via WiFi network, then you can start experiencing the exciting motion controlled games.

