

Experience fluid and vivid high-definition video playback with the ultra-compact ZOTAC ION platform. The mini-ITX form factor ZOTAC ION combines a high-performance NVIDIA® ION graphics processor with a power-efficient Intel Atom processor for the ultimate eco-friendly platform that has no troubles handling regular web browsing, e-mail, productivity and HD video playback tasks.

NVIDIA® PureVideo™ HD technology harnesses the power of the ION's 16 high-speed stream processors for high-definition Blu-ray playback capabilities. PureVideo™ HD technology decodes HD video formats and enhances standard-definition videos with the ION GPU for flawless HD and superior SD video playback.



Specifications

- NVIDIA® ION graphics processor
- Graphics Engine Clock: 450 MHz
- Shader Clock: 1100 MHz
- 16 stream processors
- Microsoft® DirectX 10
- Microsoft® Windows® Vista Premium ready
- Mini-ITX form factor

Processor support

- Intel® Atom™ (integrated)
- Up to 533 MHz FSB
- Intel® HyperThreading™ technology

Memory support

- DDR2 667/800
- 2 x 240 pin DDR2 DIMM slots
- Up to 4GB ram

Dimensions

- Height: 6.7in - 170mm
- Width: 6.7in - 170mm



Port layout



Inside the Box

- 3 SATA cable
- 1 SATA power cable
- 1 WiFi antenna (WiFi models only)
- 1 WiFi bracket



Features

- NVIDIA® PureVideo™ HD support
- NVIDIA® CUDA™ Ready
- NVIDIA® PhysX™ Ready
- NVIDIA® MediaShield™ Storage & RAID technology
- Onboard DC/DC power supply (optional)
- Integrated 802.11n WiFi (Optional)

Expansion

- 1 Mini PCI Express x1

Storage

- 3 SATA 3.0 Gbps ports
- 1 e.SATA 3.0 Gbps port
- SATA RAID 0, 1, 0+1

Connectors

- 10 USB ports (6 on back panel, 4 via pin header)
- 1 Serial port header
- 1 MOLEX power connector (Can power up to 3 SATA devices) (Optional)
- 1 HD Audio Port (Line-in, Line-out, Mic-in)
- 1 PS/2 keyboard port
- 2 Digital S/PDIF outputs (1 optical, 1 coaxial)
- 1 WiFi antenna connector (optional)
- 1 DC power jack (optional)

Display Output

- VGA
- DVI
- HDMI (w/7.1-channel Audio)
- NVIDIA® nView™ multi-display (up to 2 monitors)
- HDCP

Size Comparison



SKUs

	IONITX-A-B/C/E/U	IONITX-B-E	IONITX-C-B/C/E/U	ION-ITX-D-E
Onboard CPU	Intel® Atom™ N330 (Dual-Core)	Intel® Atom™ N230 (Single-Core)	Intel® Atom™ N230 (Single-Core)	Intel® Atom™ N330 (Dual-Core)
AC/DC 19V adaptor	Yes, 90-watt	No (ATX)	Yes, 90-watt	No (ATX)
Onboard DC/DC Power Supply	Yes	No (ATX)	Yes	No (ATX)
WiFi bundle	Yes (802.11n)	No	No	Yes (802.11n)
Mini PCIe slot	Occupied by WiFi module	Yes	Yes	Occupied by WiFi module

Note: SKU ending designates power plug (B = British Standard, C = China, E = EU generic, U = US)