PRODUCT BRIEF
Intel® H67 Express Chipset
Performance and Mainstream Desktop

Intel® H67 Express Chipset and 2nd Generation Intel® Core™ Processors

Our best-looking performance ever

Intel's 2nd generation of smart performance includes unique graphics and media features for a visibly better PC experience. From simple documents and photos to 3D games and HD videos, the 2nd generation Intel® Core™ processor family, combined with the Intel® H67 Express Chipset, delivers visibly smart performance for a sharper and richer-looking experience.

Visibly Smart Performance

The Intel® H67 Express Chipset and 2nd generation Intel® Core™ processor family deliver even more performance automatically when you need it and now a better visual PC experience built-in. With Intel® Turbo Boost Technology[1] 2.0, the 2nd generation Intel Core processor increases speed automatically for whatever you're doing on your PC. The 2nd generation Intel Core processor also includes built-in visuals, a rich set of new features for a stunning and seamless visual PC experience with no additional hardware required in the PC.

Built-In PC Visuals Maximized

With smart performance and built-in 3D visual and graphics support, the 2nd generation Intel Core processor family will add a new dimension to your PC experience. Intel® Quick Sync Video, our built-in hardware acceleration in all 2nd generation Intel Core processors, delivers astonishing video transcoding performance, enabling your PC to edit, burn, and share your content faster—without the need for add-in hardware. In addition, Intel® InTru™ 3D delivers 3D movie playback without hesitation or interruption.

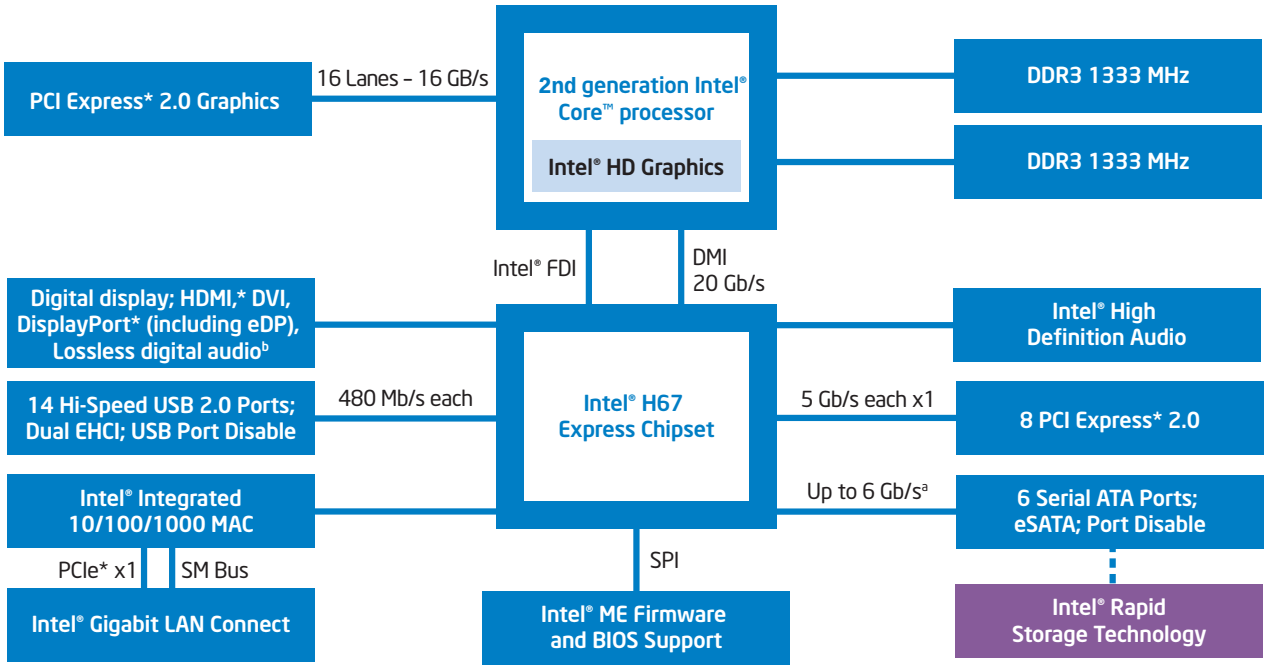
The Intel H67 Express Chipset delivers the latest platform features for superb system performance

Platforms based on the Intel H67 Express Chipset and 2nd generation Intel Core processors deliver the must-have capabilities for mainstream performance. The Intel H67 Express Chipset integrates several capabilities to provide flexibility for connecting I/O devices. The latest Intel® Rapid Storage Technology[2] 10.0 enables the full Serial ATA (SATA) interface speed of up to 6 Gb/s to support next-generation Solid State Drives (SSDs) and traditional Hard Disk Drives (HDDs). In addition, the Intel H67 Express Chipset drives lower power through enhanced link power management of the Advanced Host Controller Interface (AHCI), enables easier expandability with support for native hot plug, and boosts boot and multitasking performance with Native Command Queuing (NCQ).

Intel® Rapid Recovery Technology

Intel Rapid Recover Technology (part of the Intel® Rapid Storage Technology suite) provides a fast, easy-to-use method for the end user to recover their data and return their system to an operational status.

Intel® H67 Express Chipset Platform Block Diagram



[a] All SATA ports capable of 3 Gb/s. 2 ports capable of 6 Gb/s.
[b] Available with Intel® HD Graphics only.

Intel® H67 Express Chipset Features at a Glance

Features	Benefits
Support for 2nd Generation Intel® Core™ processors	▪ Supports the 2nd generation Intel® Core™ processors with Intel® Turbo Boost Technology[1] 2.0, Intel® Pentium® processor, and Intel® Celeron® processor.
Support for HDMI, DisplayPort, eDP and DVI 2	▪ High Definition Multimedia Interface (HDMI) delivers uncompressed HD video and uncompressed multi-channel audio in a single cable, supporting all HD formats including 720p, 1080i and 1080p. Dual Independent Display expands the viewable workspace to two monitors.
Multi-Monitor Support	▪ Multi-monitor support with Windows 7.*
Intel® High Definition Audio[3]	▪ Integrated audio support enables premium digital surround sound and delivers advanced features such as multiple audio streams and jack re-tasking.
Intel® Rapid Storage Technology[2] 10.0	▪ With additional hard drives added, Intel RST provides quicker access to digital photo, video and data files on single-drive or multi-drive systems with RAID 0, 5 and 10, and greater data protection against a hard disk drive failure with RAID 1, 5 and 10. Support for external SATA (eSATA) enables the full SATA interface speed outside the chassis, up to 3 Gb/s.
Intel® Rapid Recover Technology	▪ Intel's latest data protection technology provides a recovery point that can be used to quickly recover a system should a hard drive fail or if there is data corruption. The clone can also be mounted as a read-only volume to allow a user to recover individual files.
Universal Serial Bus (USB)	▪ Hi-Speed USB 2.0 provides greater enhancement in performance with a design data rate of up to 480 Mbps with up to 14 USB 2.0 Ports.
USB 2.0 Rate Matching Hub	▪ Enables lower power requirements and manages the transition of the communication data rate from the high speed of the host controller to the lower speed of USB full-speed/low-speed devices.
Serial ATA (SATA) 6 Gb/s	▪ Next-generation high-speed storage interface supporting up to 6 Gb/s transfer rates for optimal data access with up to 2 SATA ports.
Serial ATA (SATA) 3 Gb/s	▪ High-speed storage interface supporting up to 4 SATA ports.
eSATA	▪ SATA interface designed for use with external SATA devices. Provides a link for 3 Gb/s data speeds to eliminate bottlenecks found with current external storage solutions.
SATA Port Disable	▪ Enables individual SATA ports to be enabled or disabled as needed. This feature provides added protection of data by preventing malicious removal or insertion of data through SATA ports. Especially targeted for eSATA ports.
PCI Express* 2.0 Interface	▪ Offers up to 5 GT/s for fast access to peripheral devices and networking with up to 8 PCI Express 2.0 x1 ports, configurable as x2 and x4 depending on motherboard designs.
USB Port Disable	▪ Enables individual USB ports to be enabled or disabled as needed. This feature provides added protection of data by preventing malicious removal or insertion of data through USB ports.
Intel® integrated 10/100/1000 MAC	▪ Support for the Intel® 82578DC Gigabit Network Connection.
Green Technology	▪ Manufactured with lead-free and halogen-free component packages.

For more information, visit the Intel Web site: **www.intel.com/products/desktop/chipsets**

[1] Intel® Turbo Boost Technology requires a platform with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your platform manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see http://www.intel.com/technology/turboboost.

[2] Intel® Rapid Storage Technology requires a computer to have an Intel RST-enabled Intel chipset, RAID controller in the BIOS enabled and the Intel Rapid Storage Technology software driver installed. Please consult your system vendor for more information.

[3] Intel® High Definition Audio requires a system with an appropriate Intel chipset and a motherboard with an appropriate codec and the necessary drivers installed. System sound quality will vary depending on actual implementation, controller, codec, drivers and speakers. For more information about Intel® HD audio, refer to http://www.intel.com/

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