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[Intel® Solid State Drive \(Intel® SSD\)](#)
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Intel® SSD 910 Series (800GB, 1/2 Height PCIe 2.0, 25nm, MLC)

SPECIFICATIONS

Essentials

Package Specifications

Advanced Technologies

ORDERING / S SPECS / STEPPINGS

Specifications

Essentials

Status	Launched
Launch Date	Q2'12
Sequential Read	2000 MB/s
Sequential Write	1000 MB/s
Random Read (100% Span)	180000 IOPS
Random Write (100% Span)	75000 IOPS
Latency - Read	65 µs
Latency - Write	65 µs
Power - Active	<25W
Power - Idle	12W
Weight	190g
Endurance Rating (Lifetime Writes)	14 PB
Warranty Period	5 yrs

Package Specifications

Capacity	800 GB
Form Factor	1/2 Height PCIe
Interface	PCIe 2.0 X8
Lithography	25 nm

Advanced Technologies

High Endurance Technology (HET)	Yes
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***Trademarks**

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers and are subject to change. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. Listing of these RCPs is for informational purposes only. Please contact your Intel representative to obtain a formal price quotation.

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Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not performance. For details, see <http://www.intel.com/content/www/us/en/processors/processor-numbers.html>.

Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an operating system that supports HT Technology. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading.html?wapkw=hyper+threading> for more information including details on which processors support HT Technology.

64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications that support 64-bit operation (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software. For more information, see <http://www.intel.com/content/www/us/en/processors/64-bit-computing.html>.

Max Turbo Frequency refers to the maximum single-core frequency that can be achieved with Intel® Turbo Boost Technology, which is dependent on the processor's capability. Intel Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check the processor's specifications for more information. See www.intel.com/technology/turboboost/ for more information.

Graphics output, multiple displays, ECC memory, specific PCI Express configurations, Intel® vPro™ Technology, Intel® Trusted Execution Technology (VT-d) may not be available on all computing systems. Please reference the system, motherboard or chipset specifications for compatibility.

Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system that delivers Execute Disable Bit functionality.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for system performance or other benefit will vary depending on hardware and software configurations. Intel Virtualization Technology-enabled VM

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

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Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel component specifications meet the RoHS and REACH requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants is required for RoHS and REACH compliance.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM. For more information, contact OEM for the BIOS that includes the latest Processor configuration update.

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