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(Intel® GL82H110 PCH)

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Specifications

Essentials	
Status	Launched
Launch Date	Q3'15
Bus Speed	5 GT/s DMI2
Embedded Options Available	Yes
Lithography	22 nm
TDP	6 W
Recommended Customer Price	\$26.00
Conflict Free	Yes
Datasheet	Link
Supports Overclocking	No
Memory Specifications	
# of DIMMs per channel	1
Graphics Specifications	
# of Displays Supported ‡	2
Expansion Options	
PCI Support	No
PCI Express Revision	2.0
PCI Express Configurations †	x1, x2, x4
Max # of PCI Express Lanes	6
I/O Specifications	
USB Revision	3.0/2.0
# of USB Ports	10
USB 3.0	Up to 4
USB 2.0	Up to 10
Max # of SATA 6.0 Gb/s Ports	4
RAID Configuration	N/A
Integrated LAN	Integrated MAC
Supported Processor PCI Express Port Revision	3
Supported Processor PCI Express Port Configurations	1x16
Package Specifications	
Package Size	23mm x 23mm
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	Yes
Intel® vPro Technology †	No

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PCN/MDDS Information

SR2CA
943515: [PCN](#) | [MDDS](#)

Intel® ME Firmware Version	11.0
Intel® HD Audio Technology	Yes
Intel® Rapid Storage Technology	Yes
Intel® Rapid Storage Technology enterprise	No
Intel® Standard Manageability	No
Intel® Smart Response Technology	No
Intel® Stable Image Platform Program (SIPP)	No
Intel® Small Business Advantage	No
<div>  Intel® Platform Protection Technology </div>	
Trusted Execution Technology [‡]	No

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Refer to Datasheet for formal definitions of product properties and features.

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

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.


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

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

WARNING: Altering clock frequency and/or voltage may: (i) reduce system stability and useful life of the system and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel has not tested, and does not warranty, the operation of the processor beyond its specifications. Intel assumes no responsibility that the processor, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. For more information, visit <http://www.intel.com/content/www/us/en/gaming/overclocking/overclocking-intel-processors.html>

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