



Mobile Intel® QM77 Express Chipset (Intel® BD82QM77 PCH)

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Specifications
Essentials
Graphics Specifications
Expansion Options
I/O Specifications
Package Specifications
Advanced Technologies
Intel® Platform Protection Technology
Compatible Products
Ordering / sSpecs / Steppings

Specifications	
- Essentials	
Status	Launched
Launch Date	Q2'12
Embedded Options Available	Yes
Max TDP	4.1 W
Recommended Customer Price	T&R : \$48.00
Datasheet	Link
- Graphics Specifications	
# of Displays Supported ‡	2
- Expansion Options	
PCI Express Revision	2.0
Max # of PCI Express Lanes	8
- I/O Specifications	
USB Revision	3.0/2.0
# of USB Ports	14
USB 3.0	4
USB 2.0	10
Total # of SATA Ports	6
Max # of SATA 6.0 Gb/s Ports	2
- Package Specifications	
Package Size	25mm x 25mm
Low Halogen Options Available	See MDDS
- Advanced Technologies	
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	Yes
Intel® vPro Technology ‡	Yes
Intel® ME Firmware Version	8.0
Intel® HD Audio Technology	Yes
Intel® Rapid Storage Technology	Yes
- Intel® Platform Protection Technology	
Trusted Execution Technology ‡	Yes
Anti-Theft Technology	Yes

Related Products

Products formerly Panther Point

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PCN/MDDS Information

SLJ8A

915663: [PCN](#) | [MDDS](#)

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[†]"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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