



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

Specifications

Essentials

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Advanced Technologies

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Technology

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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
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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

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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>