



Intel® Desktop Board DQ77KB

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Essentials

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Product Collection		Status	End of Interactive Support
Intel® Desktop Boards with Intel® Q77 Express Chipset			
		Launch Date ?	Q2'12
Board Form Factor	Thin Mini-ITX	Socket	LGA1155
Extended Life Program (XLP)	Yes	TDP ?	65 W
Recommended Customer Price ?	-		

Supplemental Information

Description

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Memory Specifications

Max Memory Size (dependent on memory type) ?	16 GB	Memory Types ?	Dual DDR3 1333/1600
		Max # of Memory Channels ?	2
Max # of DIMMs ?	2	ECC Memory Supported ‡ ?	No

Graphics Specifications

Integrated Graphics ‡ ?	Yes	Graphics Output ?	LVDS eDP HDMI DP
# of Displays Supported ‡	2	Requires a Processor with Intel Graphics Technology	Yes

Expansion Options

PCIe x4 Gen 3 ?	1	PCIe x1 Gen 2.x ?	0
		PCIe x8 Gen 2.x ?	0

PCIe x16 Gen 2.x ?	0	PCIe x1 Gen 1.x ?	0
PCIe x4 Gen 1.x ?	0	PCIe x8 Gen 1.x ?	0
PCIe x16 Gen 1.x ?	0	PCIe Mini Card Slot (Half Length)	1
PCIe Mini Card Slot (Full Length)	1		

I/O Specifications

# of USB Ports	9	USB 2.0 Configuration (External + Internal)	0,5
USB 3.0 Configuration (External + Internal)	4,0	Total # of SATA Ports ?	4
Max # of SATA 6.0 Gb/s Ports	2	# of eSATA Ports	0
RAID Configuration ?	0,1,5,10	# of PATA Ports ?	0
# of Parallel Ports ?	0	Parallel Port via Internal Header	No
# of Serial Ports ?	1	Serial Port via Internal Header	Yes
Audio (back channel + front channel)	2,2	Integrated LAN ?	Dual 10/100/1000
# of PS2 Ports	0		

Package Specifications

Low Halogen Options Available	See MDDS
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Advanced Technologies

Intel® vPro Technology [‡] ?	Yes	Intel® ME Firmware Version ?	8.0
TPM ?	Yes	Intel® Rapid Storage Technology ?	Yes

Intel® Platform Protection Technology

Anti-Theft Technology ?	Yes
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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.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

Downloaded from [Arrow.com](#) 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.

“Conflict free” and “conflict-free” means “DRC conflict free”, which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term “conflict-free” in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict in the DRC or adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

The Recommended Customer -unit purchase quantities, and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. If sold in bulk, price represents individual unit. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

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.

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