



INTEL® DESKTOP BOARDS EXECUTIVE SERIES PRODUCT COMPARISON

## INTEL® DESKTOP BOARDS EXECUTIVE SERIES: BUILT FOR BUSINESS



The Intel® Desktop Board Executive Series includes products specifically designed to deliver easy manageability and hardware security with exceptional stability to keep your business running and maximize employee productivity. In addition, this series features products built for power-efficient performance, helping businesses decrease their energy costs while increasing their productivity.

Following is a feature listing of the Intel Desktop Board Executive Series Boards. This listing will allow you to compare and contrast the differences in each product to help you select the best Intel Desktop Board for your application. For a full technical description of each board, visit: [www.intel.com/products/desktop/motherboard/executive.htm](http://www.intel.com/products/desktop/motherboard/executive.htm)



Series	Executive Series – Supports Intel® vPro™ technology	Executive Series – Supports Intel® vPro™ technology	Executive Series – Supports Intel® vPro™ technology
<b>Product Family</b>	<b>Intel® Desktop Board DQ67SW</b>	<b>Intel® Desktop Board DQ670W</b>	<b>Intel® Desktop Board DQ67EP</b>
<b>Form Factor</b>	MicroATX	MicroATX	Mini-ITX / MicroATX-compatible
<b>Product Code / UPC</b>	BOXDQ67SWB3 / 00735858221177	BOXDQ670WB3 / 00735858221221	BOXDQ67EPB3 / 00735858221269
<b>10-pack Product Code / UPC</b>	BLKDO67SWB3 / 00735858221184	BLKDO670WB3 / 00735858221238	BLKDO67EPB3 / 00735858221276
<b>Processor Support</b>	<b>Intel® Core™ i7 vPro™, Intel® Core™ i5 vPro™, and Intel® Core™ i3 processors in the LGA1155 package</b>	<b>Intel® Core™ i7 vPro™, Intel® Core™ i5 vPro™, and Intel® Core™ i3 processors in the LGA1155 package</b>	<b>Intel® Core™ i5 vPro™ and Intel® Core™ i3 processors in the LGA1155 package</b>
<b>Intel® QPI (GT/s)<sup>1</sup> / Supported FSB (MHz)</b>	N/A	N/A	N/A
<b>Chipset</b>	Intel® Q67 Express Chipset	Intel® Q67 Express Chipset	Intel® Q67 Express Chipset
<b>Supports HT Technology<sup>2</sup></b>	Yes	Yes	Yes
<b>Integrated Graphics Core<sup>3</sup></b>	Intel® HD Graphics ( <i>DisplayPort* + DVI-D + DVI-I</i> )	Intel® HD Graphics ( <i>DVI-D + VGA</i> )	Intel® HD Graphics ( <i>DisplayPort* + DVI-D + DVI-I</i> )
<b>Discrete Graphics Connector</b>	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector
<b>Memory Support</b>	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (32 GB <sup>4</sup> max)	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (32 GB <sup>4</sup> max)	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>4</sup> max)
<b>Expansion Connectors</b>	One PCI Express 2.0 x1 connector and one PCI connector	One PCI Express 2.0 x1 connector and one PCI connector	N/A
<b>Audio</b>	Eight-channel Intel® High Definition Audio <sup>5</sup> ( <i>three back panel analog ports</i> )	Eight-channel Intel® High Definition Audio <sup>5</sup> ( <i>three back panel analog ports</i> )	Eight-channel Intel® High Definition Audio <sup>5</sup> ( <i>three back panel analog ports</i> )
<b>USB Ports</b>	Twelve Hi-Speed USB 2.0 ports ( <i>four back panel ports and eight additional ports via three internal headers</i> ) and two SuperSpeed USB 3.0 ports	Fourteen Hi-Speed USB 2.0 ports ( <i>six back panel ports and eight additional ports via four internal headers</i> )	Ten Hi-Speed USB 2.0 ports ( <i>four back panel ports and six additional ports via three internal headers</i> )
<b>1394 Ports</b>	Two IEEE 1394a ports ( <i>one back panel port and one additional port via internal header</i> )	N/A	N/A
<b>Storage</b>	Two SATA ports (6.0 Gb/s) and two SATA ports (3.0 Gb/s)	Four SATA ports (3.0 Gb/s) with two ports compatible with eSATA dongles and two SATA ports (6.0 Gb/s)	Two SATA ports (6.0 Gb/s) and two SATA ports (3.0 Gb/s)
<b>RAID</b>	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10
<b>Onboard LAN</b>	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Lead Free</b>	Yes	Yes	Yes
<b>Software</b>	Intel® Core Utilities Bundle <sup>6</sup> Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover® Professional RealVNC® Viewer Plus ( <i>Internet download</i> ) Spiceworks® IT Desktop Wave® EMBASSY® Security Center	Intel® Core Utilities Bundle <sup>6</sup> Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover® Professional RealVNC® Viewer Plus ( <i>Internet download</i> ) Spiceworks® IT Desktop Wave® EMBASSY® Security Center	Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover® Professional RealVNC® Viewer Plus ( <i>Internet download</i> ) Spiceworks® IT Desktop
<b>BIOS</b>	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface ( <i>UEFI</i> )	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface ( <i>UEFI</i> )	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface ( <i>UEFI</i> )
<b>WHQL Support</b>	Windows Vista® Premium Windows® 7	Windows Vista® Premium Windows® 7	Windows Vista® Premium Windows® 7
<b>Warranty</b>	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Executive Series – Supports Intel® vPro™ technology	Executive Series – Supports Intel® vPro™ technology	Executive Series – Supports Intel® vPro™ technology
<b>Product Family</b>	<b>Intel® Desktop Board DQ57TM</b>	<b>Intel® Desktop Board DQ57TML</b>	<b>Intel® Desktop Board DQ45EK</b>
<b>Form Factor</b>	MicroATX	MicroATX	Mini-ITX / MicroATX-compatible
<b>Product Code / UPC</b>	BOXDQ57TM / 00735858210263	N/A	BOXDQ45EK / 00735858200325
<b>10-pack Product Code / UPC</b>	BLKDO57TM / 00735858210270	BLKDO57TML / 00735858215169	BLKDO45EK / 00735858200332
<b>Processor Support</b>	<b>Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package</b>	<b>Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package</b>	<b>Intel® Core™2 Quad (65 W TDP), Intel® Core™2 Duo, Intel® Pentium™, and Intel® Celeron™ processors in the LGA775 package</b>
<b>Intel® QPI (GT/s)<sup>1</sup> / Supported FSB (MHz)</b>	N/A	N/A	1333 MHz / 1066 MHz / 800 MHz
<b>Chipset</b>	Intel® Q57 Express Chipset Intel® Active Management Technology <sup>2</sup> 6.0	Intel® Q57 Express Chipset Intel® Active Management Technology <sup>2</sup> 6.0	Intel® Q45 Express Chipset Intel® Active Management Technology <sup>2</sup> Specification 5.0
<b>Supports HT Technology<sup>2</sup></b>	Yes	Yes	N/A
<b>Integrated Graphics Core<sup>3</sup></b>	Intel® HD Graphics (DisplayPort* + DVI-D + DVI-I)	Intel® HD Graphics (DVI-D + VGA)	Intel® Graphics Media Accelerator 4500 (DVI-D + DVI-I)
<b>Discrete Graphics Connector</b>	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector	N/A
<b>Memory Support</b>	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>4</sup> max)	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>4</sup> max)	Dual-channel DDR2 with two connectors for 800 / 667 MHz memory (4 GB <sup>4</sup> max)
<b>Expansion Connectors</b>	Two PCI Express 2.0 x1 connectors and one PCI connector	Two PCI Express 2.0 x1 connectors and one PCI connector	One PCI Express* 2.0 x1 connector
<b>Audio</b>	Six-channel Intel® High Definition Audio <sup>5</sup> (three back panel analog ports)	Six-channel Intel® High Definition Audio <sup>5</sup> (three back panel analog ports)	Four-channel Intel® High Definition Audio <sup>5</sup> (three back panel analog ports)
<b>USB Ports</b>	Fourteen Hi-Speed USB 2.0 ports (six back panel ports and eight additional ports via four internal headers)	Twelve Hi-Speed USB 2.0 ports (six back panel ports and eight additional ports via four internal headers)	Ten Hi-Speed USB 2.0 ports (six back panel ports and four additional ports via three internal headers)
<b>1394 Ports</b>	N/A	N/A	N/A
<b>Storage</b>	Five SATA ports (3.0 Gb/s) with one port compatible with eSATA dongles and one back panel eSATA port	Four SATA ports (3.0 Gb/s)	Four SATA ports (3.0 Gb/s) with port multiplier and one eSATA port (3.0 Gb/s)
<b>RAID</b>	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10	Intel® Matrix Storage Technology for RAID 0, 1, 5, and 10
<b>Onboard LAN</b>	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection
<b>Trusted Platform Module</b>	Yes (discrete)	Yes (discrete)	Yes (integrated in chipset)
<b>Lead Free</b>	Yes	Yes	Yes
<b>Software</b>	Intel® Core Utilities Bundle <sup>6</sup> Intel® Desktop Utilities Intel® IT Director Intel® Remote PC Assist Technology Client Agent ESET* Smart Security 4 Laplink* PCmover* Spiceworks* IT Desktop	Intel® Core Utilities Bundle <sup>6</sup> Intel® Desktop Utilities Intel® IT Director Intel® Remote PC Assist Technology Client Agent ESET* Smart Security 4 Laplink* PCmover* Spiceworks* IT Desktop	Intel® Core Utilities Bundle <sup>6</sup> Intel® Desktop Utilities Intel® IT Director Intel® System Defense Utility Laplink* PCmover* Norton 360*
<b>BIOS</b>	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)
<b>WHQL Support</b>	Windows Vista* Premium Windows* 7	Windows Vista* Premium Windows* 7	Windows Vista* Premium Windows* 7
<b>Warranty</b>	3 year limited warranty	3 year limited warranty	3 year limited warranty

For more information, visit the Intel Web site at: [www.intel.com/products/desktop/motherboard/executive.htm](http://www.intel.com/products/desktop/motherboard/executive.htm)

<sup>1</sup> Intel® QPI—Intel® QuickPath Interconnect: GT/s—Gigatransfers per second.

<sup>2</sup> Intel® Hyper-Threading Technology requires a computer system with a processor supporting HT Technology and an HT Technology-enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. For more information including details on which processors support HT Technology, see [www.intel.com/info/hypertthreading](http://www.intel.com/info/hypertthreading).

<sup>3</sup> Requires a processor with Intel® HD Graphics.

<sup>4</sup> System resources and hardware (such as PCI and PCI Express™) require physical memory address locations that can reduce available addressable system memory. This could result in a reduction of as much as 1 GB or more of physical addressable memory being available to the operating system and applications, depending on the system configuration and operating system.

<sup>5</sup> Intel® High Definition Audio requires a system with an appropriate Intel® chipset and a motherboard with an appropriate codec and the necessary drivers installed. System sound quality will vary depending on actual implementation, controller, codec, drivers, and speakers. For more information about Intel® HD Audio, refer to [www.intel.com/design/chipsets/hdaudio.htm](http://www.intel.com/design/chipsets/hdaudio.htm)

<sup>6</sup> The Intel® Core Utilities Bundle includes Intel® Integrator Assistant, Intel® Integrator Toolkit, Intel® Express Installer, and Intel® Express BIOS Update.

<sup>7</sup> Intel® Active Management Technology (Intel® AMT) requires the computer to have an Intel® AMT-enabled chipset, network hardware and software, connection with a power source, and a network connection.

Intel® Desktop Boards may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request. All products and dates specified are preliminary based on current expectations and are subject to change without notice. Availability in different channels may vary.

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