



INTEL® DESKTOP BOARDS CLASSIC SERIES PRODUCT COMPARISON

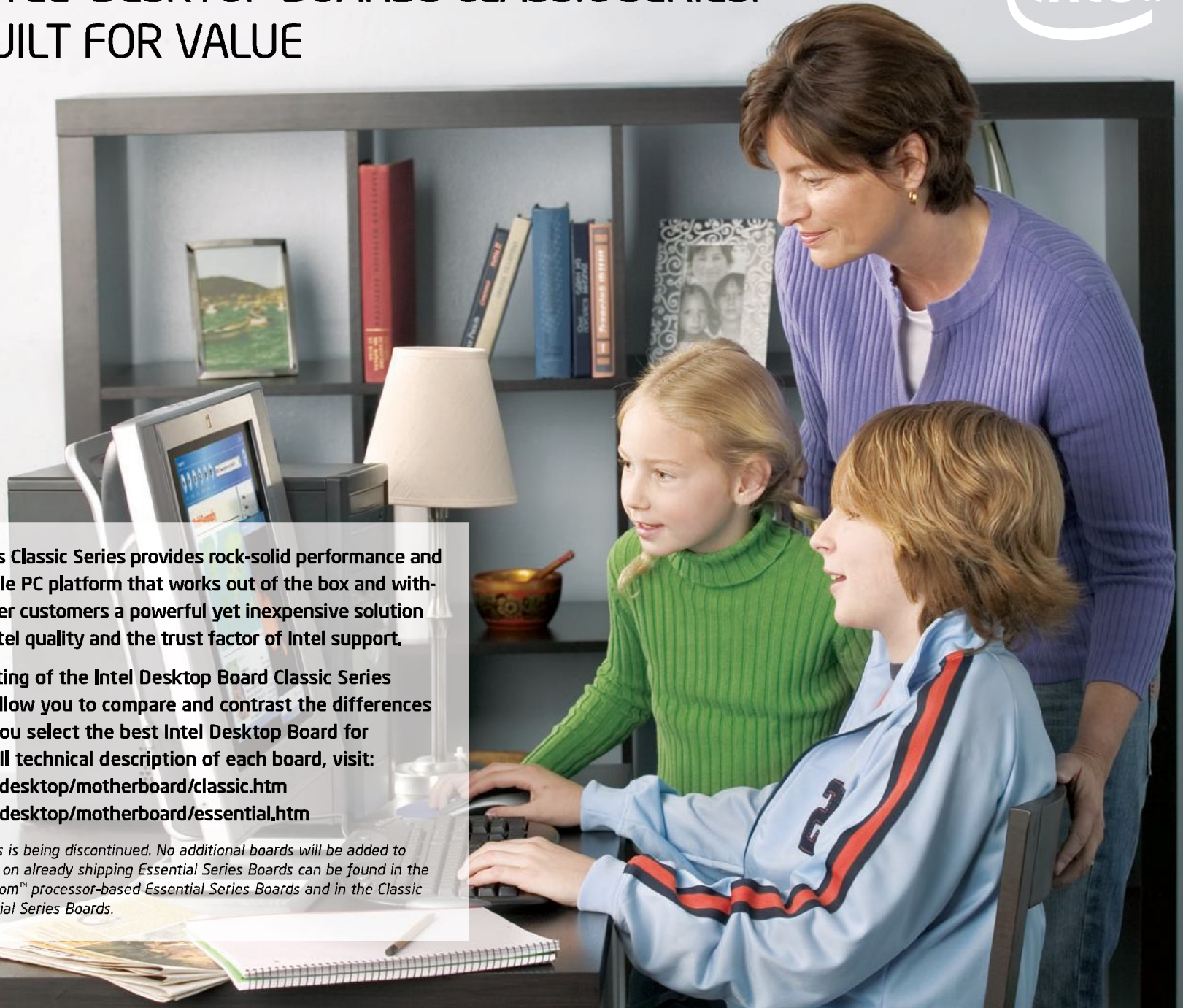
INTEL® DESKTOP BOARDS CLASSIC SERIES: BUILT FOR VALUE



The Intel® Desktop Boards Classic Series provides rock-solid performance and reliability, assuring a stable PC platform that works out of the box and without question. You can offer customers a powerful yet inexpensive solution with the confidence of Intel quality and the trust factor of Intel support.

Following is a feature listing of the Intel Desktop Board Classic 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/classic.htm
www.intel.com/products/desktop/motherboard/essential.htm

Please note: The Essential Series is being discontinued. No additional boards will be added to the Essential Series. Information on already shipping Essential Series Boards can be found in the Innovation Series for all Intel® Atom™ processor-based Essential Series Boards and in the Classic Series for all open socket Essential Series Boards.





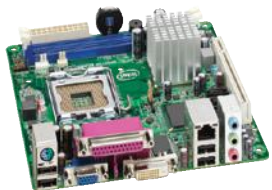
Series	Classic Series	Classic Series	Classic Series
Product Family	Intel® Desktop Board DB65AL	Intel® Desktop Board DH61BE	Intel® Desktop Board DH61CR
Form Factor	MicroATX	MicroATX	MicroATX
Product Code / UPC	BOXDB65ALB3 / 00735858221207	BOXDH61BEB3 / 00735858220910	BOXDH61CRB3 / 00735858220880
10-pack Product Code / UPC	BLKDB65ALB3 / 00735858221214	BLKDH61BEB3 / 00735858220927	BLKDH61CRB3 / 00735858220897
Processor Support	Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1155 package	Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1155 package	Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1155 package
Intel® QPI (GT/s)¹ / Supported FSB (MHz)	N/A	N/A	N/A
Chipset	Intel® B65 Express Chipset	Intel® H61 Express Chipset	Intel® H61 Express Chipset
Supports HT Technology²	Yes	Yes	Yes
Integrated Graphics Core³	Intel® HD Graphics (DVI-D + VGA)	Intel® HD Graphics (DVI-D + VGA)	Intel® HD Graphics (DVI-D + VGA)
Discrete Graphics Connector	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector
Memory Support	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (32 GB ⁴ max)	Dual-channel DDR3 with two connectors for 1333 / 1066 / 800 MHz memory (8 GB ⁴ max)	Dual-channel DDR3 with four connectors for 1333 ⁷ / 1066 / 800 MHz memory (8 GB ⁴ max)
Expansion Connectors	One PCI Express 2.0 x1 connector and one PCI connector	Two PCI Express 2.0 x1 connectors and one PCI connector	Two PCI Express 2.0 x1 connectors and one PCI connector
Audio	Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)	Eight-channel Intel® High Definition Audio ⁵ (five back panel analog ports and one optical port)	Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)
USB Ports	Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via three internal headers)	Ten Hi-Speed USB 2.0 ports (two back panel ports and eight additional ports via four internal headers) and two SuperSpeed USB 3.0 ports	Ten Hi-Speed USB 2.0 ports (four back panel ports and six additional ports via three internal headers)
1394 Ports	N/A	N/A	N/A
Storage	Five SATA ports (3.0 Gb/s) and two eSATA ports (3.0 Gb/s)	Four SATA ports (3.0 Gb/s)	Four SATA ports (3.0 Gb/s)
RAID	N/A	N/A	N/A
Onboard LAN	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection
Trusted Platform Module	N/A	N/A	N/A
Lead Free	Yes	Yes	Yes
Software	Intel® Core Utilities Bundle ⁶ Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover Express*	Intel® Core Utilities Bundle ⁶ Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover Express*	Intel® Core Utilities Bundle ⁶ Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover Express*
BIOS	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)
WHQL Support	Windows Vista® Premium Windows® 7	Windows Vista® Premium Windows® 7	Windows Vista® Premium Windows® 7
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Classic Series	Classic Series	Classic Series
Product Family	Intel® Desktop Board DH61DL	Intel® Desktop Board DH61WW	Intel® Desktop Board DH55PJ
Form Factor	MicroATX	Mini-ITX / MicroATX-compatible	MicroATX
Product Code / UPC	BOXDH61DLB3 / 00735858220941	BOXDH61WWB3 / 00735858220859	BOXDH55PJ / 00735858215077
10-pack Product Code / UPC	BLKDH61DLB3 / 00735858220958	BLKDH61WWB3 / 00735858220866	BLKDH55PJ / 00735858215060
Processor Support	Intel® Core™ i7 and Intel® Core™ i5 processors in the LGA1155 package	Intel® Core™ i7 and Intel® Core™ i5 processors in the LGA1155 package	Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package
Intel® QPI (GT/s)¹ / Supported FSB (MHz)	N/A	N/A	N/A
Chipset	Intel® H61 Express Chipset	Intel® H61 Express Chipset	Intel® H55 Express Chipset
Supports HT Technology²	Yes	Yes	Yes
Integrated Graphics Core³	Intel® HD Graphics (DVI-D + VGA)	N/A	Intel® HD Graphics (DVI-D + VGA)
Discrete Graphics Connector	N/A	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector
Memory Support	Dual-channel DDR3 with two connectors for 1333 / 1066 / 800 MHz memory (8 GB ⁴ max)	Dual-channel DDR3 with four connectors for 1333 / 1066 / 800 MHz memory (8 GB ⁴ max)	Dual-channel DDR3 with two connectors for 1333 / 1066 MHz memory (8 GB ⁴ max)
Expansion Connectors	One PCI Express* 2.0 x1 connector	One PCI Express 2.0 x1 connector and one PCI connector	Two PCI Express 2.0 x1 connectors and one PCI connector
Audio	Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)	Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)	Eight-channel Intel® High Definition Audio ⁵ (three back panel analog ports)
USB Ports	Eight Hi-Speed USB 2.0 ports (two back panel ports and six additional ports via three internal headers) and two SuperSpeed USB 3.0 ports	Six Hi-Speed USB 2.0 ports (four back panel ports and two additional ports via internal headers)	Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via three internal headers)
1394 Ports	N/A	N/A	N/A
Storage	Three SATA ports (3.0 Gb/s)	Three SATA ports (3.0 Gb/s)	Four SATA ports (3.0 Gb/s)
RAID	N/A	N/A	N/A
Onboard LAN	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection	Intel® PRO 10/100/1000 Network Connection
Trusted Platform Module	N/A	N/A	N/A
Lead Free	Yes	Yes	Yes
Software	Intel® Core Utilities Bundle ⁶ Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover Express*	Intel® Core Utilities Bundle ⁶ Intel® Desktop Utilities ESET® Smart Security 4 Laplink® PCmover Express*	Intel® Core Utilities Bundle ⁶ Intel® Desktop Utilities DivX® for Windows* ESET® Smart Security 4 Laplink® PCmover Express*
BIOS	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery
WHQL Support	Digital Signature Technology Unified Firmware Interface (UEFI)	Digital Signature Technology Unified Firmware Interface (UEFI)	Digital Signature Technology Unified Firmware Interface (UEFI)
Warranty	Windows Vista® Premium Windows® 7 3 year limited warranty	Windows Vista® Premium Windows® 7 3 year limited warranty	Windows Vista® Premium Windows® 7 3 year limited warranty



Series	Classic Series		Classic Series		Classic Series	
Product Family	Intel® Desktop Board DP43BF		Intel® Desktop Board DP43BFL		Intel® Desktop Board DG41TX	
Form Factor	ATX		ATX		MicroATX	
Product Code / UPC	BOXDP43BF / 00735858214339		BOXDP43BFL / 00735858214346		BOXDG41TX / 00735858214384	
10-pack Product Code / UPC	BLKDP43BF / 00735858214322		BLKDP43BFL / 00735858214858		BLKDG41TX / 00735858214407	
Processor Support	Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package		Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package		Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package	
Intel® QPI (GT/s)¹ / Supported FSB (MHz)	1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz	
Chipset	Intel® P43 Express Chipset		Intel® P43 Express Chipset		Intel® G41 Express Chipset	
Supports HT Technology²	N/A		N/A		N/A	
Integrated Graphics Core³	N/A		N/A		Intel® Graphics Media Accelerator X4500 (DVI-D + VGA)	
Discrete Graphics Connector	One PCI Express* 2.0 x16 connector		One PCI Express* 2.0 x16 connector		One PCI Express* 2.0 x16 connector	
Memory Support	Dual-channel DDR3 with four connectors for 1333 ⁷ / 1066 / 800 MHz memory (8 GB ⁴ max)		Dual-channel DDR3 with four connectors for 1333 ⁷ / 1066 MHz memory (8 GB ⁴ max)		Dual-channel DDR3 with two connectors for 1333 ⁷ / 1066 / 800 MHz memory (4 GB ⁴ max)	
Expansion Connectors	Two PCI Express 2.0 x1 connectors and four PCI connectors		Two PCI Express 2.0 x1 connectors and four PCI connectors		One PCI Express 2.0 x1 connector and two PCI connectors	
Audio	Ten-channel Intel® High Definition Audio ⁵ with Dolby® Home Theater (five back panel analog ports and one optical port)		Ten-channel Intel® High Definition Audio ⁵ with Dolby® Home Theater (five back panel analog ports and one optical port)		Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)	
USB Ports	Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via three internal headers)		Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via three internal headers)		Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via two internal headers)	
1394 Ports	Two IEEE 1394a ports (one back panel port and one additional port via internal header)		N/A		N/A	
Storage	Five SATA ports (3.0 Gb/s) with one eSATA port and one PATA 100 / 66 connector for up to two devices		Five SATA ports (3.0 Gb/s) and one PATA 100 / 66 connector for up to two devices		Four SATA ports (3.0 Gb/s) and one PATA 100 / 66 connector for up to two devices	
RAID	N/A		N/A		N/A	
Onboard LAN	Intel® PRO 10/100/1000 Network Connection		Intel® PRO 10/100/1000 Network Connection		Integrated 10/100/1000 Network Connection	
Trusted Platform Module	N/A		N/A		N/A	
Lead Free	Yes		Yes		Yes	
Software	Intel® Core Utilities Bundle ⁶ Diskeeper® 9 Home Edition (Microsoft® Windows® XP and Windows Vista®) DivX® for Windows® Laplink® PCmover Express® Norton Internet Security® 2009		Skype® TypePad® WildTangent® WildGames® Kaspersky® Anti-Virus® Kingsoft® Antivirus® Kingsoft® Powerword® ⁹		Intel® Core Utilities Bundle ⁶ DivX® for Windows® Laplink® PCmover Express® Norton Internet Security® 2009 Phoenix® HyperSpace®	
BIOS	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	
WHQL Support	Windows Vista® Premium Windows® 7		Windows Vista® Premium Windows® 7		Windows Vista® Premium Windows® 7	
Warranty	3 year limited warranty		3 year limited warranty		3 year limited warranty	



Series	Classic Series		Classic Series		Classic Series	
Product Family	Intel® Desktop Board DG41AN		Intel® Desktop Board DG41WV		Intel® Desktop Board DG41CN	
Form Factor	Mini-ITX / MicroATX-compatible		MicroATX		MicroATX	
Product Code / UPC	BOXDG41AN / 00735858215329		BOXDG41WV / 00735858214216		BOXDG41CN / 00735858212960	
10-pack Product Code / UPC	BLKDG41AN / 00735858215312		BLKDG41WV / 00735858214223		BLKDG41CN / 00735858213134	
Processor Support	Intel® Core™2 Quad (65 W TDP), Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package		Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package		Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package	
Intel® QPI (GT/s)¹ / Supported FSB (MHz)	1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz		1333 / 1066 / 800 MHz	
Chipset	Intel® G41 Express Chipset		Intel® G41 Express Chipset		Intel® G41 Express Chipset	
Supports HT Technology²	N/A		N/A		Yes	
Integrated Graphics Core³	Intel® Graphics Media Accelerator X4500 (DVI-D + VGA)		Intel® Graphics Media Accelerator X4500 (VGA)		Intel® Graphics Media Accelerator X4500 (VGA)	
Discrete Graphics Connector	N/A		One PCI Express* x16 connector		One PCI Express* 2.0 x16 connector	
Memory Support	Dual-channel DDR3 with four connectors for 1333 ⁷ / 1066 / 800 MHz memory (4 GB ⁴ max)		Dual-channel DDR3 with two connectors for 1333 ¹⁰ / 1066 / 800 MHz memory (4 GB ⁴ max)		Dual-channel DDR2 with two connectors for 800 / 667 MHz memory (4 GB ⁴ max)	
Expansion Connectors	One PCI connector		One PCI Express 2.0 x1 connector and two PCI connectors		One PCI Express* 2.0 x1 connector and two PCI connectors	
Audio	Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)		Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)		Six-channel Intel® High Definition Audio ⁵ (three back panel analog ports)	
USB Ports	Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via two internal headers)		Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via two internal headers)		Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via two internal headers)	
1394 Ports	N/A		N/A		N/A	
Storage	Three SATA ports (3.0 Gb/s)		Four SATA ports (3.0 Gb/s)		Four SATA ports (3.0 Gb/s)	
RAID	N/A		N/A		N/A	
Onboard LAN	Integrated 10/100/1000 Network Connection		Integrated 10/100/1000 Network Connection		Integrated 10/100/1000 Network Connection	
Trusted Platform Module	N/A		N/A		N/A	
Lead Free	Yes		Yes		Yes	
Software	Intel® Core Utilities Bundle ⁶ DivX* for Windows* ESET* Smart Security 4 Laplink* PCmover Express*		Intel® Core Utilities Bundle ⁶ Diskeeper* Pro Premier DivX* for Windows* Laplink* PCmover Express* Norton Internet Security* 2009 Skype*		TypePad* WildTangent* WildGames* Kaspersky* Anti-Virus ⁸ Kingsoft* Antivirus ⁹ Kingsoft* Powerword* ⁹	
BIOS	Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery		Intel® Easy Update Intel® Quiet System Technology Intel® Smart Recovery		Digital Signature Technology Unified Firmware Interface (UEFI) Intel® Express BIOS Update Intel® Rapid BIOS Boot	
WHQL Support	Windows Vista* Premium Windows* 7		Windows Vista* Premium		Windows Vista* Basic	
Warranty	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/classic.htm or www.intel.com/products/desktop/motherboard/essential.htm

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

² 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/hyperthreading.

³ Requires a processor with Intel® HD Graphics.

⁴ 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.

⁵ 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

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

⁷ DDR3 1333 is supported through overclocking in BIOS.

⁸ Russian only.

⁹ Chinese only.

¹⁰ DDR3 1333 MHz SDRAM will run at 1066 MHz speed.

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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