



# INTEL® DESKTOP BOARDS

## DESIGNED FOR PERFORMANCE



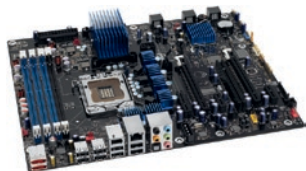
	Desktop Board	Form Factor	Package	Memory	Integrated Graphics Port	PCIe* x16	PCIe x1	PCI	PATA (devices)	SATA (eSATA)	RAID	Audio	USB (ext+int)	1394 (ext+int)								
EXTREME	DX58SO	ATX	LGA1366	DDR3 1600		3	1	1		6 (2)	▪	10-ch	8+4	1+1	▪	▪						
	DP55KG	ATX	LGA1156	DDR3 1600		2	2	2		8 (2)	▪	10-ch	8+4	1+1		▪	▪					
	DP55SB	µATX	LGA1156	DDR3 1600		2	2			6 (1)	▪	10-ch	8+4	1+1		▪	▪					
MEDIA	DH57DD	µATX	LGA1156	DDR3 1333	HDMI*+DVI	1	2	1		5 (1)	▪	10-ch	6+8	1+1		▪	▪					
	DH57JG	mini-ITX	LGA1156	DDR3 1333	HDMI+DVI	1				4 (1)	▪	10-ch	6+6			2	▪	▪				
	DH55HC	ATX	LGA1156	DDR3 1333	HDMI+DVI+VGA	1	2	3		6 (2)		8-ch	6+6			▪	▪					
	DH55TC	µATX	LGA1156	DDR3 1333	HDMI+DVI+VGA	1	2	1		6 (2)		8-ch	6+6			▪	▪					
	DP55WG	ATX	LGA1156	DDR3 1600		2	2	2		6	▪	10-ch	8+6	1+1		▪	▪					
	DP55WB	µATX	LGA1156	DDR3 1333		1	2	1		6	▪	8-ch	8+6	1+1		▪	▪					
	DG45ID	µATX	LGA775	DDR2 800	HDMI+DVI	1	2	1		5 (1)	▪	10-ch	6+6	1+1			▪	▪				
EXECUTIVE	DG45FC	mini-ITX	LGA775	DDR2 800	HDMI+DVI		1			4 (1)	▪	10-ch	6+4			▪	▪					
	DQ57TM	µATX	LGA1156	DDR3 1333	DisplayPort*+DVI+DVI	1	2	1		5 (1)	▪	6-ch	6+8			▪	▪					
	DQ45CB	µATX	LGA775	DDR2 800	DVI+DVI	1	2	1		5 (1)	▪	6-ch	6+6	1+1			▪	▪				
	DQ45EK	mini-ITX	LGA775	DDR2 800	DVI+DVI		1			4 (1)	▪	4-ch	6+4			▪	▪					
	DQ43AP	µATX	LGA775	DDR2 800	DVI+VGA		1	2		3 (1)		6-ch	4+4			▪	▪					
	DB43LD	µATX	LGA775	DDR2 800	DVI+VGA	1	1	2		6 (1)		6-ch	6+4			▪	▪					
	DG43RK	µATX	LGA775	DDR3 1333 <sup>3</sup>	HDMI+DVI	1	2	1		4		10-ch	6+6	1+1		▪	▪					
	DP43BF	ATX	LGA775	DDR3 1333 <sup>3</sup>		1	2	4	1 (2)	5 (1)		10-ch	6+6	1+1		▪	▪					
	DP43BFL	ATX	LGA775	DDR3 1333 <sup>3</sup>		1	2	4	1 (2)	5		10-ch	6+6			▪	▪					
	DG41TX	µATX	LGA775	DDR3 1333 <sup>3</sup>	DVI+VGA	1	1	2	1 (2)	4		6-ch	4+4			▪	▪					
CLASSIC	DG43GT	µATX	LGA775	DDR2 800	HDMI+DVI	1	2	1	1 (2)	4		10-ch	6+6	1+1		▪	▪					
	DG43NB	ATX	LGA775	DDR2 800	DVI+VGA	1	3	3	1 (2)	6		6-ch	6+6	1+1		▪	▪					
	DP43TF	ATX	LGA775	DDR2 800		1	3	3	1 (2)	6		6-ch	6+6	1+1		▪	▪					
	DG41KR	µATX	LGA775	DDR3 800	HDMI+VGA	1	1	2	1 (2)	4		10-ch	4+4			▪	▪					
	DG41MJ	mini-ITX	LGA775	DDR2 800	DVI+VGA			1		3		6-ch	4+4			▪	▪					
	DG41TY	µATX	LGA775	DDR2 800	DVI+VGA	1	1	2	1 (2)	4		6-ch	4+4			▪	▪					
	DG41WV	µATX	LGA775	DDR3 1066	VGA	1	1	2		4		6-ch	4+4			▪	▪					
ESSENTIAL	D510MO	mini-ITX		DDR2 800	VGA			1		2		6-ch	4+3									▪
	D410PT	mini-ITX		DDR2 800	VGA			1		2		4-ch	4+4									▪
	D945GSEJT	mini-ITX		SODIMM	DVI+VGA			1	1 (2)	2		4-ch	3+3									▪
	DG41RQ	µATX	LGA775	DDR2 800	VGA	1		2	1 (2)	4		6-ch	4+4			▪	▪					
	DG41CN	µATX	LGA775	DDR2 800	VGA	1	1	2		4		6-ch	4+4			▪	▪					
DG41BI	µATX	LGA775	DDR3 1066	VGA	1	2	1		4		6-ch	4+4			▪	▪						

For specific CPU compatibility, visit <http://processormatch.intel.com>

Every Intel® Desktop Board is supported by Intel's world-class optimization process. The selection of its components and circuit design follow industry and Intel standards—undergoing hours of stringent testing and validation procedures, ensuring the stability and reliability of every desktop system in long-term use. Why should you buy Intel Desktop Boards? Intel compatibility, warranty and customer support, Intel reliability and performance, integrator tools, Intel® vPro™ technology, and Intel® System Defense Utilities.

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

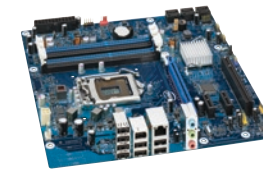




Series	Extreme Series		Extreme Series	Extreme Series
Product Family	Intel® Desktop Board DX58SO		Intel® Desktop Board DP55KG	Intel® Desktop Board DP55SB
Form Factor	ATX		ATX	MicroATX
Product Code / UPC	BOXDX58SO / 00735858203036		BOXDP55KG / 00735858205979	BOXDP55SB / 00735858206006
10-pack Product Code / UPC	BLKDX58SO / 00735858203043		BLKDP55KG / 00735858205986	BLKDP55SB / 00735858206013
Processor Support	Intel® Core™ i7 processor Extreme Edition and Intel® Core™ i7 processors in the LGA1366 package		Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package	Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package
Intel® QPI (GT/s)* / Supported FSB (MHz)	6.40 GT/s / 4.80 GT/s		N/A	N/A
Chipset	Intel® X58 Express Chipset		Intel® P55 Express Chipset	Intel® P55 Express Chipset
Supports HT Technology <sup>5</sup>	Yes		Yes	Yes
Integrated Graphics Core	N/A		N/A	N/A
Discrete Graphics Connector	Two PCI Express* 2.0 x16 connectors ( <i>electrical x16</i> ) and one PCI Express 2.0 x16 connector ( <i>electrical x4</i> ) ATI* CrossFireX* and NVIDIA* SLI* multi-GPU platform support		Two PCI Express* 2.0 x16 connectors ( <i>electrical x8</i> ) and one PCI Express 2.0 x16 connector ( <i>electrical x4</i> ) ATI* CrossFireX* and NVIDIA* SLI* multi-GPU platform support	Two PCI Express* 2.0 x16 connectors ( <i>electrical x8</i> ) ATI* CrossFireX* and NVIDIA* SLI* multi-GPU platform support
Memory Support	Tri-channel DDR3 with four connectors for 1600+ / 1333 / 1066 MHz memory ( <i>16 GB<sup>6</sup> max</i> ) Intel® Extreme Memory Profiles support		Dual-channel DDR3 with four connectors for 1600+ / 1333 / 1066 MHz memory ( <i>16 GB<sup>6</sup> max</i> ) Intel® Extreme Memory Profiles support	Dual-channel DDR3 with four connectors for 1600+ / 1333 / 1066 MHz memory ( <i>16 GB<sup>6</sup> max</i> ) Intel® Extreme Memory Profiles support
Expansion Connectors	Two PCI Express 2.0 x1 connectors and one PCI connector		Two PCI Express 2.0 x1 connectors and two PCI connectors	Two PCI Express 2.0 x1 connectors
Audio	Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater ( <i>five back panel analog ports and one optical port</i> )		Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater ( <i>five back panel analog ports and two optical ports</i> )	Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater ( <i>five back panel analog ports and two optical ports</i> )
USB Ports	Twelve Hi-Speed USB 2.0 ports ( <i>eight back panel ports and four additional ports via two internal headers</i> )		Thirteen Hi-Speed USB 2.0 ports ( <i>eight back panel ports, one external onboard port, and four additional ports via two internal headers</i> )	Thirteen Hi-Speed USB 2.0 ports ( <i>eight back panel ports, one external onboard port, and four additional ports via two internal headers</i> )
1394 Ports	Two IEEE 1394a ports ( <i>one back panel port and one additional port via internal header</i> )		Two IEEE 1394a ports ( <i>one back panel port and one additional port via internal header</i> )	Two IEEE 1394a ports ( <i>one back panel port and one additional port via internal header</i> )
Storage	Six SATA ports ( <i>3.0 Gb/s</i> ) and two eSATA ports		Eight SATA ports ( <i>3.0 Gb/s</i> ) and two eSATA ports	Six SATA ports ( <i>3.0 Gb/s</i> ) and one eSATA port
RAID	Intel® Matrix 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
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® Desktop Control Center Intel® Desktop Utilities Intel® Integrator Assistant Intel® Integrator Toolkit CyberLink* Live Premium Diskeeper* Home Edition DivX* Pro for Windows*	Dolby* Control Center Norton 360* PLAYXPERT* In-Game Platform Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>	Intel® Desktop Control Center Intel® Integrator Assistant Diskeeper* Pro Premier ( <i>Microsoft* Windows* XP and Windows Vista*</i> ) DivX* Pro for Windows* Dolby* Control Center Norton Internet Security* 2009	Intel® Desktop Control Center Intel® Integrator Assistant Diskeeper* Pro Premier ( <i>Microsoft* Windows* XP and Windows Vista*</i> ) DivX* Pro for Windows* Dolby* Control Center Norton Internet Security* 2009
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology
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	Media Series		Media Series		Media Series	
Product Family	Intel® Desktop Board DH57DD		Intel® Desktop Board DH57JG		Intel® Desktop Board DH55HC	
Form Factor	uATX		Mini-ITX		ATX	
Product Code / UPC	BOXDH57DD / 00735858213264		BOXDH57JG / 00735858210232		BOXDH55HC / 00735858210218	
10-pack Product Code / UPC	BLKDH57DD / 00735858213288		BLKDH57JG / 00735858210249		BLKDH55HC / 00735858210201	
Processor Support	Intel® Core™ i7, Intel® Core™ i5, Intel® Core™ i3, and Intel® Pentium® processors in the LGA1156 package		Intel® Core™ i7 <sup>2</sup> , Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package		Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package	
Intel® QPI (GT/s) <sup>4</sup> / Supported FSB (MHz)	N/A		N/A		N/A	
Chipset	Intel® H57 Express Chipset		Intel® H57 Express Chipset		Intel® H55 Express Chipset	
Supports HT Technology <sup>5</sup>	Yes		Yes		Yes	
Integrated Graphics Core	Intel® HD Graphics (HDMI <sup>®1</sup> + DVI)		Intel® HD Graphics (HDMI <sup>®1</sup> + DVI-I)		Intel® HD Graphics (HDMI <sup>®1</sup> + 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 (16 GB <sup>6</sup> max)		Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>6</sup> max)		Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>6</sup> max)	
Expansion Connectors	One PCI Express 2.0 x1 connector and two PCI connectors		N/A		Two PCI Express 2.0 x1 connectors and three PCI connectors	
Audio	Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)		Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)		Eight-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)	
USB Ports	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 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)	
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) and one eSATA port		Four SATA ports (3.0 Gb/s) and one eSATA port		Six SATA ports (3.0 Gb/s) with two ports compatible with eSATA dongles	
RAID	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10		Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10		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® Desktop Utilities Intel® Integrator Assistant Corel® VideoStudio® Express 2010 Corel® PaintShop Photo® Express 2010 ESET® Smart Security Laplink® PCmover® Express		Intel® Desktop Utilities Intel® Integrator Assistant Corel® VideoStudio® Express 2010 Corel® PaintShop Photo® Express 2010 ESET® Smart Security Laplink® PCmover® Express		Intel® Desktop Utilities Intel® Integrator Assistant DivX® for Windows® ESET® Smart Security Laplink® PCmover® Express	
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS 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	

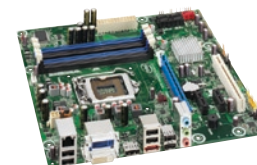


Series	Media Series		Media Series		Media Series	
Product Family	Intel® Desktop Board DH55TC		Intel® Desktop Board DP55WG		Intel® Desktop Board DP55WB	
Form Factor	MicroATX		ATX		MicroATX	
Product Code / UPC	BOXDH55TC / 00735858210171		BOXDP55WG / 00735858206037		BOXDP55WB / 00735858209144	
10-pack Product Code / UPC	BLKDH55TC / 00735858210188		BLKDP55WG / 00735858206044		BLKP55WB / 00735858209151	
Processor Support	Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package		Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package		Intel® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package	
Intel® QPI (GT/s) <sup>4</sup> / Supported FSB (MHz)	N/A		N/A		N/A	
Chipset	Intel® H55 Express Chipset		Intel® P55 Express Chipset		Intel® P55 Express Chipset	
Supports HT Technology <sup>5</sup>	Yes		Yes		Yes	
Integrated Graphics Core	Intel® HD Graphics (HDMI <sup>®1</sup> + DVI-D + VGA)		N/A		N/A	
Discrete Graphics Connector	One PCI Express* 2.0 x16 connector		Two PCI Express* 2.0 x16 connectors (electrical x8) and one PCI Express 2.0 x16 connector (electrical x4)		One PCI Express* 2.0 x16 connector	
Memory Support	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>6</sup> max)		Dual-channel DDR3 with four connectors for 1600+ / 1333 / 1066 MHz memory (16 GB <sup>6</sup> max)		Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>6</sup> max)	
Expansion Connectors	Two PCI Express 2.0 x1 connectors and one PCI connector		Two PCI Express 2.0 x1 connectors and two PCI connectors		Two PCI Express 2.0 x1 connectors and one PCI connector	
Audio	Eight-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)		Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)		Eight-channel Intel® High Definition Audio <sup>7</sup> (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)		Fourteen Hi-Speed USB 2.0 ports (eight back panel ports and six additional ports via three internal headers)		Fourteen Hi-Speed USB 2.0 ports (eight back panel ports and six additional ports via three internal headers)	
1394 Ports	N/A		Two IEEE 1394a ports (one back panel port and one additional port via internal header)		Two IEEE 1394a ports (one back panel port and one additional port via internal header)	
Storage	Six SATA ports (3.0 Gb/s) with two ports compatible with eSATA dongles		Six SATA ports (3.0 Gb/s)		Six SATA ports (3.0 Gb/s)	
RAID	N/A		Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10		Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10	
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® Desktop Utilities Intel® Integrator Assistant DivX* for Windows* ESET* Smart Security Laplink* PCmover* Express		Intel® Desktop Utilities Intel® Integrator Assistant Diskeeper* Pro Premier (Microsoft* Windows* XP and Windows Vista*) DivX* Pro for Windows* Dolby* Control Center Laplink* PCmover* Express Norton Internet Security* 2009		Intel® Desktop Utilities Intel® Integrator Assistant DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* 2009	
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology		Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology		Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	
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	

Intel® Smart Recovery  
Digital Signature Technology  
Unified Firmware Interface (UEFI)

Intel® Smart Recovery  
Digital Signature Technology  
Unified Firmware Interface (UEFI)

Intel® Smart Recovery  
Digital Signature Technology  
Unified Firmware Interface (UEFI)



Series	Media Series	Media Series	Executive Series - Supports Intel® vPro™ technology
Product Family	<b>Intel® Desktop Board DG45ID</b>	<b>Intel® Desktop Board DG45FC</b>	<b>Intel® Desktop Board DQ57TM</b>
Form Factor	MicroATX	Mini-ITX / MicroATX-compatible	MicroATX
Product Code / UPC	<b>BOXDG45ID / 00735858200387</b>	<b>BOXDG45FC / 00735858200417</b>	<b>BOXDQ57TM / 00735858210263</b>
10-pack Product Code / UPC	BLKDG45ID / 00735858200394	BLKDG45FC / 00735858200424	BLKDQ57TM / 00735858210270
Processor Support	<b>Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 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® Core™ i7, Intel® Core™ i5, and Intel® Core™ i3 processors in the LGA1156 package</b>
Intel® QPI (GT/s)* / Supported FSB (MHz)	1333 MHz / 1066 MHz / 800 MHz	1333 MHz / 1066 MHz / 800 MHz	N/A
Chipset	Intel® G45 Express Chipset	Intel® G45 Express Chipset	Intel® Q57 Express Chipset Intel® Active Management Technology <sup>10</sup> 6.0
Supports HT Technology <sup>5</sup>	N/A	N/A	Yes
Integrated Graphics Core	Intel® Graphics Media Accelerator X4500HD (HDMI* <sup>1</sup> + DVI)	Intel® Graphics Media Accelerator X4500HD (HDMI* <sup>1</sup> + DVI)	Intel® HD Graphics (DisplayPort* + DVI-D + DVI-I)
Discrete Graphics Connector	One PCI Express* x16 connector	N/A	One PCI Express* 2.0 x16 connector
Memory Support	Dual-channel DDR2 with two connectors for 800 / 667 MHz memory (8 GB <sup>6</sup> max)	Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (4 GB <sup>6</sup> max)	Dual-channel DDR3 with four connectors for 1333 / 1066 MHz memory (16 GB <sup>6</sup> max)
Expansion Connectors	Two PCI Express 2.0 x1 connectors and one PCI connector	One PCI Express 2.0 x1 connector	Two PCI Express 2.0 x1 connectors and one PCI connector
Audio	Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)	Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)	Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)
USB Ports	Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via two internal headers)	Ten Hi-Speed USB 2.0 ports (six back panel ports and four additional ports via two internal headers)	Fourteen Hi-Speed USB 2.0 ports (six back panel ports and eight additional ports via four 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) and one eSATA port	Four SATA ports (3.0 Gb/s) and one eSATA port	Five SATA ports (3.0 Gb/s) with one port compatible with eSATA dongles and one back panel eSATA port
RAID	Intel® Matrix Storage Technology for RAID 0, 1, 5, and 10	Intel® Matrix Storage Technology for RAID 0, 1, 5, and 10	Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10
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	Yes
Lead Free	Yes	Yes	Yes
Software	Intel® Integrator Assistant Intel® Integrator Toolkit CyberLink* Live Premium Diskeeper* Home Edition DivX* Pro for Windows* Dolby* Control Center Laplink* PCmover* Express Norton Antivirus* Skype* TypePad* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>	Intel® Desktop Utilities Intel® Integrator Assistant Intel® Integrator Toolkit CyberLink* Live Premium Diskeeper* Home Edition DivX* Pro for Windows* Dolby* Control Center Laplink* PCmover* Express Laplink* PCmover* Express Norton Antivirus* Skype* TypePad* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>	Intel® Desktop Utilities Intel® Integrator Assistant Intel® IT Director Intel® Remote PC Assist Technology Client Agent ESET* Smart Security Laplink* PCmover* Spiceworks* IT Desktop
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS 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** Executive Series - Supports Intel® vPro™ technology

**Product Family** Intel® Desktop Board DQ45CB

**Form Factor** MicroATX

**Product Code / UPC** BOXDQ45CB / 00735858200295

**10-pack Product Code / UPC** BLKDQ45CB / 00735858200301

**Processor Support** Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package

**Intel® QPI (GT/s)\* / Supported FSB (MHz)** 1333 MHz / 1066 MHz / 800 MHz

**Chipset** Intel® Q45 Express Chipset  
Intel® Active Management Technology<sup>10</sup> 5.0

**Supports HT Technology<sup>5</sup>** N/A

**Integrated Graphics Core** Intel® Graphics Media Accelerator 4500 (DVI-D + DVI-I)

**Discrete Graphics Connector** One PCI Express\* x16 connector

**Memory Support** Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB<sup>6</sup> max)

**Expansion Connectors** Two PCI Express 2.0 x1 connectors and one PCI connector

**Audio** Six-channel Intel® High Definition Audio<sup>7</sup> (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)

**1394 Ports** Two IEEE 1394a ports (one back panel port and one additional port via internal header)

**Storage** Five SATA ports (3.0 Gb/s) with port multiplier and one eSATA port

**RAID** Intel® Matrix Storage Technology for RAID 0, 1, 5, and 10

**Onboard LAN** Intel® PRO 10/100/1000 Network Connection

**Trusted Platform Module** Yes (integrated in chipset)

**Lead Free** Yes

**Software** Intel® Desktop Utilities  
Intel® Integrator Assistant  
Intel® Integrator Toolkit  
Intel® IT Director  
Intel® System Defense Utility  
Diskeeper\* Home Edition  
Laplink\* PCmover\* Express  
Norton\* 360  
SyAM\* System Client  
TypePad\*  
Wave\* EMBASSY\* Trust Suite  
Kaspersky\* Anti-Virus<sup>9</sup>  
Kingsoft\* Antivirus<sup>9</sup>  
Kingsoft\* Powerword\*<sup>9</sup>

**BIOS** Intel® Easy Update  
Intel® Express BIOS Update  
Intel® Quiet System Technology  
Intel® Smart Recovery  
Digital Signature Technology  
Unified Firmware Interface (UEFI)

**WHQL Support** Windows Vista\* Premium  
Windows\* 7

**Warranty** 3 year limited warranty



**Series** Executive Series - Supports Intel® vPro™ technology

**Intel® Desktop Board DQ45EK**

**Form Factor** Mini-ITX / MicroATX-compatible

**Product Code / UPC** BOXDQ45EK / 00735858200325

**Product Code / UPC** BLKDQ45EK / 00735858200332

**Processor Support** Intel® Core™2 Quad (65 W TDP), Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package

**Intel® QPI (GT/s)\* / Supported FSB (MHz)** 1333 MHz / 1066 MHz / 800 MHz

**Chipset** Intel® Q45 Express Chipset  
Intel® Active Management Technology<sup>10</sup> Specification 5.0

**Supports HT Technology<sup>5</sup>** N/A

**Integrated Graphics Core** Intel® Graphics Media Accelerator 4500 (DVI-D + DVI-I)

**Discrete Graphics Connector** N/A

**Memory Support** Dual-channel DDR2 with two connectors for 800 / 667 MHz memory (4 GB<sup>6</sup> max)

**Expansion Connectors** One PCI Express\* 2.0 x1 connector

**Audio** Four-channel Intel® High Definition Audio<sup>7</sup> (three back panel analog ports)

**USB Ports** Ten Hi-Speed USB 2.0 ports (six back panel ports and four additional ports via three internal headers)

**1394 Ports** N/A

**Storage** Four SATA ports (3.0 Gb/s) with port multiplier and one eSATA port (3.0 Gb/s)

**RAID** Intel® Matrix Storage Technology for RAID 0, 1, 5, and 10

**Onboard LAN** Intel® PRO 10/100/1000 Network Connection

**Trusted Platform Module** Yes (integrated in chipset)

**Lead Free** Yes

**Software** Intel® Desktop Utilities  
Intel® Integrator Assistant  
Intel® Integrator Toolkit  
Intel® IT Director  
Intel® System Defense Utility  
Diskeeper\* Home Edition  
Laplink\* PCmover\* Express  
Norton\* 360  
SyAM\* System Client  
TypePad\*  
Wave\* EMBASSY\* Trust Suite  
Kaspersky\* Anti-Virus<sup>9</sup>  
Kingsoft\* Antivirus<sup>9</sup>  
Kingsoft\* Powerword\*<sup>9</sup>

**BIOS** Intel® Easy Update  
Intel® Express BIOS Update  
Intel® Quiet System Technology  
Intel® Smart Recovery  
Digital Signature Technology  
Unified Firmware Interface (UEFI)

**WHQL Support** Windows Vista\* Premium  
Windows\* 7

**Warranty** 3 year limited warranty



**Series** Executive Series - Supports Intel® Standard Manageability

**Intel® Desktop Board DQ43AP**

**Form Factor** MicroATX

**Product Code / UPC** BOXDQ43AP / 00735858208734

**Product Code / UPC** BLKDQ43AP / 00735858208741

**Processor Support** Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package

**Intel® QPI (GT/s)\* / Supported FSB (MHz)** 1333 MHz / 1066 MHz / 800 MHz

**Chipset** Intel® Q43 Express Chipset  
Intel® Standard Manageability

**Supports HT Technology<sup>5</sup>** N/A

**Integrated Graphics Core** Intel® Graphics Media Accelerator 4500 (DVI + VGA)

**Discrete Graphics Connector** N/A

**Memory Support** Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB<sup>6</sup> max)

**Expansion Connectors** One PCI Express 2.0 x1 connector and two PCI connectors

**Audio** Six-channel Intel® High Definition Audio<sup>7</sup> (three back panel analog ports)

**USB Ports** Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via internal headers)

**1394 Ports** N/A

**Storage** Three SATA ports (3.0 Gb/s) with one port compatible with eSATA dongles

**RAID** N/A

**Onboard LAN** Intel® PRO 10/100/1000 Network Connection

**Trusted Platform Module** Yes (integrated in chipset)

**Lead Free** Yes

**Software** Intel® Desktop Utilities  
Intel® Integrator Assistant  
Intel® Integrator Toolkit  
Intel® IT Director  
Intel® System Defense Utility  
Diskeeper\* Home and Professional Editions  
Laplink\* PCmover\*  
Norton Internet Security\*  
SyAM\* System Client  
Wave\* EMBASSY\* Trust Suite  
Kaspersky\* Anti-Virus<sup>9</sup>  
Kingsoft\* Antivirus<sup>9</sup>  
Kingsoft\* Powerword\*<sup>9</sup>

**BIOS** Intel® Easy Update  
Intel® Express BIOS Update  
Intel® Quiet System Technology  
Intel® Smart Recovery  
Digital Signature Technology  
Unified Firmware Interface (UEFI)

**WHQL Support** Windows Vista\* Premium  
Windows\* 7

**Warranty** 3 year limited warranty



Series **Executive Series** - Upgrade-ready in select markets

**Intel® Desktop Board DB43LD**

Form Factor MicroATX

Product Code / UPC **BOXDB43LD / 00735858211291**

10-pack Product Code / UPC BLKDB43LD / 00735858208710

Processor Support **Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package**

Intel® QPI (GT/s)\* / Supported FSB (MHz) 1333 MHz / 1066 MHz / 800 MHz

Chipset Intel® B43 Express Chipset  
Intel® Upgrade Service - ready in select geographies (Please visit [intel.com/go/upgradesreseller](http://intel.com/go/upgradesreseller) for more details)

Supports HT Technology<sup>5</sup> N/A

Integrated Graphics Core Intel® Graphics Media Accelerator X4500 (DVI + VGA)

Discrete Graphics Connector One PCI Express\* x16 connector

Memory Support Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB<sup>6</sup> max)

Expansion Connectors One PCI Express 2.0 x1 connector and two PCI connectors

Audio Six-channel Intel® High Definition Audio<sup>7</sup> (three back panel analog ports)

USB Ports Ten Hi-Speed USB 2.0 ports (six back panel ports and four additional ports via internal headers)

1394 Ports N/A

Storage Six SATA ports (3.0 Gb/s) with one port compatible with eSATA dongles

RAID N/A

Onboard LAN Intel® PRO 10/100/1000 Network Connection

Trusted Platform Module N/A

Lead Free Yes

Software Intel® Desktop Utilities  
Intel® Integrator Assistant  
Intel® IT Director  
Intel® System Defense Utility  
Diskeeper® Home Edition  
Laplink® PCmover®  
Norton Internet Security\* 2009

BIOS Intel® Easy Update  
Intel® Express BIOS Update  
Intel® Quiet System Technology

WHQL Support Windows Vista® Premium  
Windows\* 7

Warranty 3 year limited warranty



Classic Series

**Intel® Desktop Board DG43RK**

Form Factor MicroATX

Product Code / UPC **BOXDG43RK / 00735858213615**

Product Code / UPC BLKDG43RK / 00735858213608

Processor Support **Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package**

1333 MHz / 1066 MHz / 800 MHz

Intel® G43 Express Chipset

Supports HT Technology<sup>5</sup> N/A

Integrated Graphics Core Intel® Graphics Media Accelerator X4500 (HDMI\*<sup>1</sup> + DVI-I)

Discrete Graphics Connector One PCI Express\* 2.0 x16 connector

Memory Support Dual-channel DDR3 with four connectors for 1333<sup>3</sup> / 1066 / 800 MHz memory (8 GB<sup>6</sup> max)

Expansion Connectors Two PCI Express 2.0 x1 connectors and one PCI connector

Audio Ten-channel Intel® High Definition Audio<sup>7</sup> with Dolby® Home Theater (five back panel analog ports and one optical port)

USB Ports Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via three internal headers)

1394 Ports Two IEEE 1394a ports (one back panel port and one additional port via internal header)

Storage Four SATA ports (3.0 Gb/s) and one PATA 100 / 66 connector for up to two devices

RAID N/A

Onboard LAN Intel® PRO 10/100/1000 Network Connection

Trusted Platform Module N/A

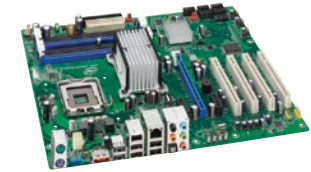
Lead Free Yes

Software Intel® Integrator Assistant  
Diskeeper® 9 Home Edition  
(Microsoft® Windows® XP and Windows Vista®)  
DivX® for Windows\*  
Laplink® PCmover® Express  
Norton Internet Security\*

BIOS Intel® Easy Update  
Intel® Express BIOS Update  
Intel® Quiet System Technology

WHQL Support Windows Vista® Premium  
Windows\* 7

Warranty 3 year limited warranty



Classic Series

**Intel® Desktop Board DP43BF**

Form Factor ATX

Product Code / UPC **BOXDP43BF / TBD**

Product Code / UPC BLKDP43BF / TBD

Processor Support **Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package**

1333 MHz / 1066 MHz / 800 MHz

Intel® P43 Express Chipset

Supports HT Technology<sup>5</sup> N/A

Integrated Graphics Core N/A

Discrete Graphics Connector One PCI Express\* 2.0 x16 connector

Memory Support Dual-channel DDR3 with four connectors for 1333<sup>3</sup> / 1066 / 800 MHz memory (8 GB<sup>6</sup> max)

Expansion Connectors Two PCI Express 2.0 x1 connectors and four PCI connectors

Audio Ten-channel Intel® High Definition Audio<sup>7</sup> with Dolby® Home Theater (five back panel analog ports and one optical port)

USB Ports Twelve Hi-Speed USB 2.0 ports (six back panel ports and six additional ports via three internal headers)

1394 Ports Two IEEE 1394a ports (one back panel port and one additional port via internal header)

Storage Five SATA ports (3.0 Gb/s) with one eSATA port and one PATA 100 / 66 connector for up to two devices

RAID N/A

Onboard LAN Intel® PRO 10/100/1000 Network Connection

Trusted Platform Module N/A

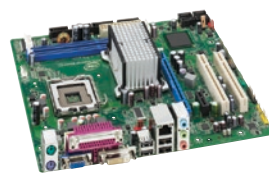
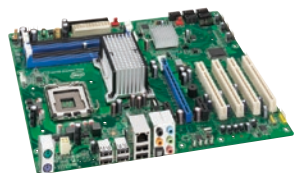
Lead Free Yes

Software Intel® Integrator Assistant  
Diskeeper® Home Edition  
DivX® for Windows\*  
Laplink® PCmover® Express  
Norton Internet Security\*  
Skype®  
TypePad®

BIOS Intel® Easy Update  
Intel® Express BIOS Update  
Intel® Quiet System Technology

WHQL Support Windows Vista® Premium  
Windows\* 7

Warranty 3 year limited warranty

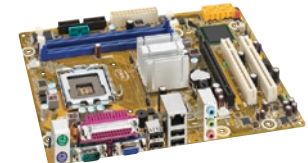


Series	Classic Series		Classic Series		Classic Series	
Product Family	Intel® Desktop Board DP43BFL		Intel® Desktop Board DG41 TX		Intel® Desktop Board DG43GT	
Form Factor	ATX		MicroATX		MicroATX	
Product Code / UPC	BOXDP43BFL / TBD		BOXDG41TX / 00735858214384		BOXDG43GT / 00735858209175	
10-pack Product Code / UPC	BLKDP43BFL / TBD		BLKDG41TX / 00735858214407		BLKDG43GT / 00735858209182	
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)* / 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® G41 Express Chipset		Intel® G43 Express Chipset	
Supports HT Technology <sup>5</sup>	N/A		N/A		N/A	
Integrated Graphics Core	N/A		Intel® Graphics Media Accelerator X4500 (DVI-D + VGA)		Intel® Graphics Media Accelerator X4500 (HDMI* <sup>1</sup> + DVI-I)	
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 <sup>3</sup> / 1066 MHz memory (8 GB <sup>6</sup> max)		Dual-channel DDR3 with two connectors for 1333 <sup>3</sup> / 1066 / 800 MHz memory (4 GB <sup>6</sup> max)		Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB <sup>6</sup> max)	
Expansion Connectors	Two PCI Express 2.0 x1 connectors and four PCI connectors		One PCI Express 2.0 x1 connector and two PCI connectors		Two PCI Express 2.0 x1 connectors and one PCI connector	
Audio	Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)		Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)		Ten-channel Intel® High Definition Audio <sup>7</sup> with Dolby* Home Theater (five back panel analog ports and one optical port)	
USB Ports	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)		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		Two IEEE 1394a ports (one back panel port and one additional port via internal header)	
Storage	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		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		Integrated 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® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype* TypePad*	WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft Powerword* <sup>9</sup>	Intel® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Phoenix* HyperSpace* Skype*	TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft Powerword* <sup>9</sup>	Intel® Integrator Assistant Diskeeper* 9 Home Edition (Microsoft* Windows* XP and Windows Vista*) DivX* for Windows* Laplink* PCmover* Norton Internet Security*	Skype* TypePad* WildGames* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft Powerword* <sup>9</sup>
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS 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 DG43NB		Intel® Desktop Board DP43TF		Intel® Desktop Board DG41KR	
Form Factor	ATX		ATX		MicroATX	
Product Code / UPC	BOXDG43NB / 00735858201766		BOXDP43TF / 00735858202046		BOXDG41KR / 00735858209212	
10-pack Product Code / UPC	BLKDG43NB / 00735858201773		BLKDP43TF / 00735858202053		BLKDG41KR / 00735858209229	
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) <sup>4</sup> / Supported FSB (MHz)	1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz	
Chipset	Intel® G43 Express Chipset		Intel® P43 Express Chipset		Intel® G41 Express Chipset	
Supports HT Technology <sup>5</sup>	N/A		N/A		N/A	
Integrated Graphics Core	Intel® Graphics Media Accelerator X4500 (DVI-D + VGA)		N/A		Intel® Graphics Media Accelerator X4500 (HDMI <sup>*1</sup> + VGA)	
Discrete Graphics Connector	One PCI Express* x16 connector		One PCI Express* x16 connector		One PCI Express* x16 connector	
Memory Support	Dual-channel DDR2 with two connectors for 800 / 667 MHz memory (4 GB <sup>6</sup> max)		Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB <sup>6</sup> max)		Dual-channel DDR3 with two connectors for 1066 / 800 MHz memory (4 GB <sup>6</sup> max)	
Expansion Connectors	Three PCI Express 2.0 x1 connectors and three PCI connectors		Three PCI Express 2.0 x1 connectors and three PCI connectors		One PCI Express 2.0 x1 connector and two PCI connectors	
Audio	Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)		Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)		Ten-channel Intel® High Definition Audio <sup>7</sup> (five back panel analog ports and one optical port)	
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)		Two IEEE 1394a ports (one back panel port and one additional port via internal header)		N/A	
Storage	Six SATA ports (3.0 Gb/s) and one PATA 100 / 66 connector for up to two devices		Six 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® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype*	TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft Powerword <sup>9</sup>	Intel® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype*	TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft Powerword <sup>9</sup>	Intel® Integrator Assistant DivX* for Windows* Laplink* PCmover* Express Norton Internet Security*	
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS 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		Essential Series	
Product Family	Intel® Desktop Board DG41MJ		Intel® Desktop Board DG41TY		Intel® Desktop Board DG41WV	
Form Factor	Mini-ITX / MicroATX-compatible		MicroATX		MicroATX	
Product Code / UPC	BOXDG41MJ / 00735858206907		BOXDG41TY / 00735858204392		BOXDG41WV / 00735858214216	
10-pack Product Code / UPC	BLKDG41MJ / 00735858206914		BLKDG41TY / 00735858204385		BLKDG41WV / 00735858214223	
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)* / Supported FSB (MHz)	1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz		1333 MHz / 1066 MHz / 800 MHz	
Chipset	Intel® G41 Express Chipset		Intel® G41 Express Chipset		Intel® G41 Express Chipset	
Supports HT Technology <sup>5</sup>	N/A		N/A		N/A	
Integrated Graphics Core	Intel® Graphics Media Accelerator X4500 (DVI-D + VGA)		Intel® Graphics Media Accelerator X4500 (DVI-D + VGA)		Intel® Graphics Media Accelerator X4500 (VGA)	
Discrete Graphics Connector	N/A		One PCI Express* x16 connector		One PCI Express* x16 connector	
Memory Support	Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB <sup>6</sup> max)		Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB <sup>6</sup> max)		Dual-channel DDR3 with two connectors for 1333 <sup>11</sup> / 1066 / 800 MHz memory (8 GB <sup>6</sup> 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 <sup>7</sup> (three back panel analog ports)		Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)		Six-channel Intel® High Definition Audio <sup>7</sup> (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) and one PATA 100 / 66 connector for up to two devices		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® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype*	TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>	Intel® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype*	TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>	Intel® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype*	TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology	Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS 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	
Warranty	3 year limited warranty		3 year limited warranty		3 year limited warranty	



Series	Essential Series	Essential Series	Essential Series
Product Family	<b>Intel® Desktop Board D510M0</b>	<b>Intel® Desktop Board D410PT</b>	<b>Intel® Desktop Board D945GSEJT</b>
Form Factor	Mini-ITX	Mini-ITX	Mini-ITX / MicroATX-compatible
Product Code / UPC	<b>BOXD510M0 / 00735858210362</b>	<b>BOXD410PT / 00735858210416</b>	<b>N/A</b>
10-pack Product Code / UPC	BLKD510M0 / 00735858210379	BLKD410PT / 00735858210423	BLKD945GSEJT / 00735858206945
Processor Support	<b>Intel® Atom™ processor D510 integrated</b>	<b>Intel® Atom™ processor D410 integrated</b>	<b>Intel® Atom™ processor N270 integrated</b>
Intel® QPI (GT/s)* / Supported FSB (MHz)	N/A	N/A	533 MHz
Chipset	Intel® NM10 Express Chipset	Intel® NM10 Express Chipset	Intel® 945GSE Express Chipset
Supports HT Technology <sup>5</sup>	Yes	Yes	Yes
Integrated Graphics Core	Intel® Graphics Media Accelerator 3150 (VGA)	Intel® Graphics Media Accelerator 3150 (VGA)	Intel® Graphics Media Accelerator 950 (DVI + VGA)
Discrete Graphics Connector	N/A	N/A	N/A
Memory Support	DDR2 with two connectors for 800 / 667 MHz memory (4 GB <sup>6</sup> max)	DDR2 with two connectors for 800 / 667 MHz memory (4 GB <sup>6</sup> max)	DDR2 SSRAM with one connector for 533 MHz memory (2 GB max)
Expansion Connectors	One PCI connector and one PCI Express* Mini Card connector	One PCI connector	One PCI Express* Mini Card connector and one PCI connector
Audio	Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)	Four-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)	Four-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)
USB Ports	Seven Hi-Speed USB 2.0 ports (four back panel ports, two additional ports via internal header, and one USB port for flash card / Solid-State Drive)	Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via two internal headers)	Six Hi-Speed USB 2.0 ports (three back panel ports, one front panel port, and one additional USB port for Solid-State Drive)
1394 Ports	N/A	N/A	N/A
Storage	Two SATA ports (3.0 Gb/s)	Two SATA ports (3.0 Gb/s)	Two SATA ports and one PATA 100 connector for up to two devices (44-pin mobile header)
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® Integrator Assistant DivX* for Windows* ESET* Smart Security 4 Laplink* PCmover* Express Norton Internet Security*	Intel® Integrator Assistant DivX* for Windows* ESET* Smart Security 4 Laplink* PCmover* Express Norton Internet Security*	Intel® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype* TypePad* WildTangent* Wildgames* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Smart Recovery Unified Firmware Interface (UEFI)	Intel® Easy Update Intel® Express BIOS Update Intel® Smart Recovery Unified Firmware Interface (UEFI)	Intel® Express BIOS Update Unified Firmware Interface (UEFI)
Windows Vista* and WHQL Support	Windows* 7 Home Basic Windows* 7 Starter	Windows* 7 Home Basic Windows* 7 Starter	Windows Vista* Basic
Warranty	3 year limited warranty	3 year limited warranty	3 year limited warranty



Series	Essential Series	Essential Series	Essential Series
Product Family	<b>Intel® Desktop Board DG41RQ</b>	<b>Intel® Desktop Board DG41CN</b>	<b>Intel® Desktop Board DG41BI</b>
Form Factor	MicroATX	MicroATX	MicroATX
Product Code / UPC	<b>BOXDG41RQ / 00735858206860</b>	<b>BOXDG41CN / 00735858212960</b>	<b>BOXDG41BI / 00735858212991</b>
10-pack Product Code / UPC	BLKDG41RQ / 00735858206877	BLKDG41CN / 00735858213134	BLKDG41BI / 00735858213127
Processor Support	<b>Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package</b>	<b>Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package</b>	<b>Intel® Core™2 Quad, Intel® Core™2 Duo, Intel® Pentium®, and Intel® Celeron® processors in the LGA775 package</b>
Intel® QPI (GT/s) <sup>4</sup> / Supported FSB (MHz)	1333 1066 / 800 MHz	1333 / 1066 / 800 MHz	1333 / 1066 / 800 MHz
Chipset	Intel® G41 Express Chipset	Intel® G41 Express Chipset	Intel® G41 Express Chipset
Supports HT Technology <sup>5</sup>	N/A	Yes	Yes
Integrated Graphics Core	Intel® Graphics Media Accelerator X4500 (VGA)	Intel® Graphics Media Accelerator X4500 (VGA)	Intel® Graphics Media Accelerator X4500 (VGA)
Discrete Graphics Connector	One PCI Express* x16 connector	One PCI Express* 2.0 x16 connector	One PCI Express* 2.0 x16 connector
Memory Support	Dual-channel DDR2 with four connectors for 800 / 667 MHz memory (8 GB <sup>6</sup> max)	Dual-channel DDR2 with two connectors for 800 / 667 MHz memory (4 GB <sup>6</sup> max)	Dual-channel DDR3 with two connectors for 1066 / 800 MHz memory (4 GB <sup>6</sup> max)
Expansion Connectors	Two PCI connectors	One PCI Express* 2.0 x1 connector and two PCI connectors	Two PCI Express 2.0 x1 connectors and one PCI connector
Audio	Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)	Six-channel Intel® High Definition Audio <sup>7</sup> (three back panel analog ports)	Six-channel Intel® High Definition Audio <sup>7</sup> (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	Four SATA ports (3.0 Gb/s) and one PATA 100 / 66 connector for up to two devices	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 Network Connection
Trusted Platform Module	N/A	N/A	N/A
Lead Free	Yes	Yes	Yes
Software	Intel® Integrator Assistant Diskeeper* Home Edition DivX* for Windows* Laplink* PCmover* Express Norton Internet Security* Skype* TypePad* WildTangent* Kaspersky* Anti-Virus <sup>9</sup> Kingsoft* Antivirus <sup>9</sup> Kingsoft* Powerword* <sup>9</sup>	N/A	N/A
BIOS	Intel® Easy Update Intel® Express BIOS Update Intel® Quiet System Technology Intel® Smart Recovery Digital Signature Technology Unified Firmware Interface (UEFI)	Intel® Express BIOS Update Intel® Rapid BIOS Boot	Intel® Express BIOS Update Intel® Rapid BIOS Boot
Windows Vista* and WHQL Support	Windows Vista* Premium	Windows Vista* Basic	Windows Vista* Basic
Warranty	3 year limited warranty	2 year limited warranty	2 year limited warranty

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

<sup>1</sup> Requires a processor with Intel® HD Graphics.

<sup>2</sup> Requires a custom thermal solution—Pairing a mini-ITX chassis with the thermal solution supplied with an Intel® Core™ i7 processor will not meet the thermal requirements of an Intel Core i7 processor. Therefore, before pairing the Intel® Desktop Board DH57JG with an Intel Core i7 processor, verify that your thermal solution and chassis will meet the necessary thermal requirements. Failing to do so will cause the processor to throttle, significantly decreasing system performance.

<sup>3</sup> DDR3 1333 is supported through overclocking in BIOS.

<sup>4</sup> Intel® QPI—Intel® QuickPath Interconnect; GT/s—Gigatransfers per second.

<sup>5</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/hyperthreading](http://www.intel.com/info/hyperthreading).

<sup>6</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>7</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/haudio.htm](http://www.intel.com/design/chipsets/haudio.htm)

<sup>8</sup> Russian only.

<sup>9</sup> Chinese only.

<sup>10</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.

<sup>11</sup> 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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