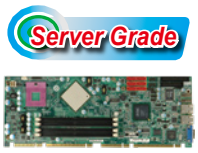
Full Size PICMG 1.3 Selection Guide



Model Name	SPCIE-5100DX	SPCIE-5100P	PCIE-Q57A	PCIE-G41A
CPU Socket	LGA771	Socket P	LGA 1156	LGA 775
CPU Type	Intel® Xeon® processor	Intel® Core™2 Duo, Celeron®M	Intel® Core™i7	Intel® Core™2 Quad/Duo
FSB	1066/1333 MHz	1066MHz	NA	800/1066/1333MHz
Chipset	Intel® 5100 MCH + ICH9R	Intel® 5100 MCH + ICH9R	Intel® Q57	Intel® G41 + ICH7R
Memory	4 x 240-pin, Max. 32 GB, 533/667 MHz dual-channel DDR2 ECC Registered DIMM	4 x 240-pin, Max. 8 GB, 533/667 MHz dual-channel DDR2 ECC Registered DIMM	2 x 240-pin, Max.8GB, 1333/1066 MHz dual-channel DDR3 DIMMs	2 x 240-pin, Max.8GB, 667/800 MHz dual-channel DDR2 DIMMs
Display Interface	XGI Volari Z9s Graphic controller supports analog CRT output	XGI Volari™ Z9s PCI graphic controller supports analog CRT output	VGA Integrated in Intel® Q57 supports analog CRT	VGA Integrated in Intel® G41 supports analog CRT
Ethernet	Dual Intel® 82574L GbE controllers	Dual PCIe GbE Intel® 82574L controllers	Intel® 82583V PCIe controller Intel® 82578DM with Intel® iAMT 6.0 supported	Dual PCIe Realtek 8111CP GbE controller
I/O Interface	2 x RS-232 12 x USB 2.0 1 x LPT 1 x Infrared Interface 2 x 5-pin header for KB/MS	2 x RS-232 8 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x 6-pin header for KB/MS	2 x RS-232 14 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x Keyboard/ Mouse	2 x RS-232 1 x IDE 8 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x Keyboard/ Mouse
Drive Interface	6 x SATA II (RAID 0/1/10/5) 1 x FDD	6 x SATA II (RAID 0/1/10/5) 1 x FDD	6 x SATA II (RAID 0/1/10/5) 1 x FDD	4 x SATA II (RAID 0/1/10/5) 1 x FDD
Audio	10-pin on-board header connects to the IEI AC-KIT883HD 7.1 channel HD audio kit	10-pin on-board header supports 7.1 channel HD Audio by AC-KIT883HD	7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams	5.1 channel audio kit with Realtek ALC655 AC'97 codec 7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
Digital I/O	8-bit Digital I/O (4-bit input / 4-bit output)	8-bit Digital I/O (4-bit input / 4-bit output)	8-bit Digital I/O (4-bit input / 4-bit output)	8-bit Digital I/O (4-bit input / 4-bit output)
Power consumption	3.3V@0.62A, 5V@4.69A, 12V@2.32A (Dual Intel® Xeon® L5138 1.60GHz 1066MHz FSB CPU with 4GB DDR2 667MHz)	3.3V@0.62A, 5V@4.69A, 12V@2.32A (Intel® Core™2 Duo P8600 2.4GHz 1066MHz FSB CPU with 8GB DDR2 667MHz)	3.3V@0.89A, 5V@4.62A, 12V@0.51A, Vcore_12V@4.35A, 5VSB@0.14A (Intel® Core i5 660 3.3GHz CPU with 2 x 2GB DDR3 1066MHz)	3.3V@0.3A, 5V@6.71A, 12V@0.27A, Vcore_12V@1.91A (Intel® Core™2 Duo E8500 3.16GHz 1333MHz FSB CPU with 2*2GB DDR2 800MHz)
Watchdog Timer	Software programmable supports 1 ~255 sec. system reset	Software programmable supports 1 ~255 sec. system reset	Software programmable and supports 1~255 sec. system reset	Software programmable and supports 1~255 sec. system reset
Operation Environment	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing
On board expansion slot	N/A	N/A	N/A	N/A
CPU cooler	2 x 19100-000110-00-RS	CF-479B-RS	CF-1156A-R10	CF-775A-RS / CF-520-RS-R11

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Model Name	PCIE-Q350-R11	PCIE-9650-R11	PCIE-9450-R30	PCIE-9652	PCIE-9452-R12
CPU Socket	LGA 775	LGA 775	LGA 775	Socket P	Socket M
CPU Type	Intel® Core™2 Quad/Duo	Intel® Core™2 Quad/Duo, Pentium®D/4	Intel® Core™2 Duo, Pentium® D/4/Celeron® D	Intel® Core™2 Duo or Celeron® M	Intel® Core™2 Duo, Core™ Solo/Celeron® M
FSB	800/1066/1333MHz	533/800/1066MHz	533/800/1066MHz	533/800 MHz	533/667 MHz
Chipset	Intel® Q35 + ICH9DO	Intel® Q965 + ICH8DO	Intel® 945G + ICH7R	Intel® GME965 + ICH8M-E	Intel® 945GME + ICH7R
Memory	4 x 240-pin, Max.8GB, 667/800 MHz dual-channel DDR2 DIMM	4 x 240-pin, Max.8GB, 533/667/800 MHz dual-channel DDR2 DIMM	4 x 240-pin, Max.4GB, 400/533/667 MHz dual-channel DDR2 DIMM	2 x 240-pin, Max. 4 GB, 533/667 MHz dual-channel DDR2 SDRAM DIMM	2 x 240-pin, Max.4GB, 400/533/667 MHz dual-channel DDR2 DIMM
Display Interface	VGA Integrated in Intel® Q35 supports analog CRT and 3-pin SDVO output for dual display application (IEI PCIe x 16 SDVO add-on card)	VGA Integrated in Intel® Q965	VGA Integrated in Intel® 945G	VGA Intgrated in Intel® GME965 HDTV-Out 24-bit dual channels LVDS by Intel® GME965	VGA Integrated in Intel® 945GME 18/24-bit dual channels LVDS NTSC/PAL HDTV-out
Ethernet	Dual Intel® GbE controllers LAN : Intel® 82566DM controllers LAN2: Intel® 82573L GbE controllers	Dual PCIe GbE Intel® 82573L GbE controllers	Dual Broadcom BCM5787M PCIe GbE controllers	Dual Intel® 82573L GbE controllers	Dual Broadcom BCM5787M PCIe GbE controllers
I/O Interface	2 x RS-232 12 x USB 2.0 1 x Keyboard 1 x Mouse 1 x Infrared Interface 1 x TPM	2 x RS-232 10 x USB2.0 1 x Infrared Interface 1 x Keyboard 1 x Mouse	2 x RS-232 7 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x PS/2 for KB & MS 1 x 5-pin connector for KB	2 x RS-232 0 10 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x Keyboard 1 x Mouse 1 x TPM	2 x RS-232 8 x USB 2.0 1 x LPT 1 x Infrared Interface 1 x Keyboard 1 x Mouse
Drive Interface	6 x SATA II (RAID 0/1/10/5)	6 x SATA II (RAID 0/1/10/5)	4 x SATA II (RAID 0/1/5/10) 1 x IDE 1 x FDD	1 x IDE 3 x SATA II (RAID 0/1) 1 x FDD 1 x CF Type II	4 x SATA (RAID 0/1/5/10) 1 x IDE 1 x FDD 1 x CF type II
Audio	10-pin on-board header supports 7.1 channel HD Audio by AC-KIT883HD	10-pin on-board header supports 7.1 channel HD Audio by AC-KIT883HD	5.1 channel audio kit with Realtek ALC655 AC'97 codec 10-pin on-board header supports 7.1 channel HD Audio by AC-KIT883HD	10-pin on-board header supports 7.1 channel HD Audio by AC-KIT883HD	5.1 channel audio kit with Realtek ALC655 AC'97 codec 10-pin on-board header supports 7.1 channel HD Audio by AC-KIT883HD
Digital I/O	16-bit Digital I/O (8-bit input / 8-bit output)	8-bit Digital I/O (4-bit input / 4-bit output)	8-bit digital I/O (4-bit input/4-bit output)	8-bit Digital I/O (4-bit input / 4-bit output)	8-bit digital I/O (4-bit input/4-bit output)
Power consumption	3.3V@3.0A, 5V@5.1A, 5Vsb@0.28A, 12V@4.23A (Intel® Core™2 Duo E6700 2.66 GHz CPU with 1066 MHz FSB, 8 GB DDR2 667 MHz SDRAM)	5V@7.02A, 3.3V@1.1A, 5VSB@0.29A, 12V@6.6A (Intel® Core™ 2 Quad QX6700 2.66GHz CPU,4 GB DDR2 800MHz SDRAM)	12V@9A, 5V@2.6A, 3.3V@6.3A, 5Vsb@0.93 A, -12V@0.1A (Intel® Pentium® D 3.73 GHz CPU, 4GB DDR2 667 MHz SDRAM)	3.3V@0.13A, 5V@5.3A, 5Vsb@0.04A, 12V@1.3A (Intel® Core™ 2 Duo T7300 2 GHz CPU, 1GB DDR2 667 MHz SDRAM)	5 V@4.14A, 12V@2.9A, 3.3V 0.72A (Intel® Core™2 Duo T7200 2.06 GHz CPU 667 MHz FSB, 1GBDDR2 667 MHz SDRAM)
Watchdog Timer	Software programmable and supports 1~255 sec. system reset	Software programmable and supports 1~255 sec. system reset	Software programmable and supports 1~255 sec. system reset	Software programmable and supports 1~255 sec. system reset	Software programmable and supports 1~255 sec. system reset
Operation Environment	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing	Temperature Range 0ºC~60ºC (32ºF ~ 140ºF) Relative Humidity: 5%~95% non-condensing
On board expansion slot	N/A	N/A	N/A	N/A	N/A
CPU cooler	CF-775A-RS / CF-520-RS-R11	CF-775A-RS / CF-520-RS-R11	CF-775A-RS / CF-520-RS-R11	CF-479B-RS	CF-479B-RS