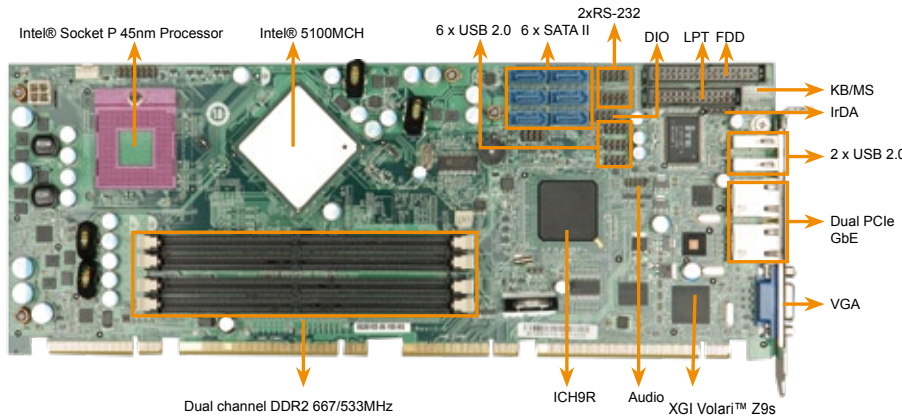


SPCIE-5100P

Full-size PICMG1.3 CPU card supports socket P Intel® 45nm Core™2 Duo processors and comes with VGA, Dual GbE, SATA II with RAID function, USB and Audio



Intel® Core™2 Duo Processor (Penryn) Features

Intel® Core™2 Duo family processor
New micro-architecture features for greater performance and new capabilities

Intel's First 45nm micro processors
High-k + metal gate transistors - breakthrough technology that significantly reduces leakage power



Penryn processor

Up to 6MB L2 Cache & 1066 FSB
Larger L2 & higher FSB deliver higher performance

Improved Performance
Performance and energy efficiency lead established by Intel® Core™2 family processors

FSB 1066 DDR2 667 ECC Support Socket P



Specifications

CPU	Socket P Intel® Core™2 Duo processors (Penryn core) with a 1066/667MHz FSB
System Chipset	Intel® 5100 MCH (San Clemente) + ICH9R chipsets
BIOS	AMI Flash BIOS
System Memory	Four 240-pin 667/533 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 8GB) with ECC checking
Ethernet	Dual PCIe Ethernet support by Intel® 82566DM and 82574L GbE
I/O Interface	2 x RS-232 8 x USB 2.0 6 x SATA II with RAID 0, 1, 5 and 10 1 x LPT 1 x FDD 1 x 6-pin header for KB/MS
Digital I/O	8 bit digital I/O, 4-bit input/ 4-bit output
Infrared	1 x Infrared by pin header
Super I/O	ITE IT8718F
Display Interface	VGA support by XGI Volari Z9s Graphic controller with 64MB DDR2 Memory Support VGA resolution support upto 1600x1200
Audio	Support by 7.1 channel HD Audio Kit
SSD	N/A
Watchdog Timer	Software programmable supports 1 ~255 sec. System reset
Power Supply	ATX Power
Power consumption	TBD(Intel® Core™2 Duo T9400 2.53GHz 1066MHz FSB CPU with 2GB DDR2 667MHz)
Temperature	operation: 0°C ~ 60°C (32°F ~ 140°F)
Humidity	operation: 5% ~95% non-condensing
Dimension	338 mm x 126 mm
Weight	GW: 1200 g / NW: 420 g

Features

- PICMG1.3 Full size Ultra Low voltage Server Grade Solution
- Intel® 45nm Socket P Core™2 Duo (Mobile Penryn) processor with a 1066MHz FSB
- Intel® 5100 server-grade platform supports six PCIe x4 lanes for flexible PCIe application
- ULV XGI Volari Z9s Graphic controller support VGA output
- Four 240-pin DIMM Socket SDRAM with ECC checking are supported
- Six SATA II with RAID function improved performance and reliability for systems

Packing List

1 x SPCIE-5100P Single Board Computer
1 x Mini Jumper Pack
6 x SATA cable (P/N: 32000-0628000-RS)
3 x SATA Power cable (P/N: 32100-088600-RS)
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x USB Cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
SPCIE-5100P-R10	Full-size PICMG1.3 CPU card supports socket P Intel® 45nm Core™2 Duo processors and comes with VGA, Dual GbE, SATA II with RAID function, USB and Audio
CF-479B-RS	CPU cooler (50mm x 50mm x 26mm, 50W)
AC-KIT883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 support dual audio streams
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable
19800-000075-RS	KB/MS cable with bracket