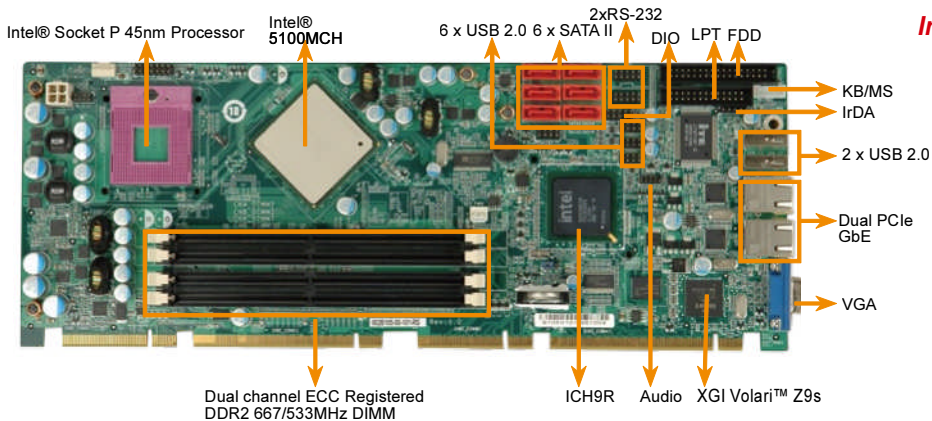


SPCIE-5100P

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



Intel® Core™2 Duo processor features

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

Intel's First Line of 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 of processors

Intel® Matrix Storage Manager



Specifications

- ◆ CPU
Socket P Intel® Core™2 Duo processors with a 1066 MHz FSB
- ◆ System Chipset
Intel® 5100 MCH + ICH9R chipsets
- ◆ BIOS
AMI BIOS
- ◆ System Memory
Four 240-pin 667/533 MHz dual-channel DDR2 ECC Registered DIMM supported (system max. 8GB)
- ◆ Ethernet
Dual PCIe Ethernet support by Intel® 82574L GbE
- ◆ I/O Interface
2 x RS-232
12 x USB 2.0
(Two on the bracket, six on SBC and four on backplane by pin header)
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 Interface
1 x Infrared by pin header
- ◆ Super I/O
ITE IT8718F
- ◆ Display Interface
VGA support by XGI Volari Z9s graphic controller
Supports VGA resolution support up to 1600x1200
- ◆ Audio
Supports by 7.1 channel HD Audio Kit
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
ATX Power
- ◆ Power Consumption
3.3V@0.62A, 5V@4.69A, 12V@2.32A (Intel® Core™2 Duo P8600 2.4GHz 1066MHz FSB CPU with 8GB DDR2 667MHz)
- ◆ Temperature
Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity
Operation: 5% ~ 95% non-condensing
- ◆ Dimensions
338 mm x 126 mm
- ◆ Weight
GW: 1200 g / NW: 420 g

Features

1. PICMG1.3 full size server grade solution
2. Intel® 45nm socket P Core™ 2 Duo processor with a 1066 MHz FSB
3. Intel® 5100 server-grade platform supports six PCIe x4 lanes for flexible PCIe application
4. ULV XGI volari Z9s graphic controller support VGA output
5. Four 240-pin DDR2 ECC Registered DIMM supported
6. Six SATA II with RAID support RAID 0, 1, 5 and 10
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x SPCIE-5100P single board computer
1 x Mini jumper pack
6 x SATA cable (P/N: 32000-062800-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 PCIe GbE, SATA II with RAID function, USB and Audio
CF-479B-RS	CPU cooler (50mm x 50mm x 26mm, 50W)
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 support dual audio streams
32200-000017-RS	FDD cable
19800-000400-100-RS	LPT cable
19800-000075-RS	KB/MS cable with bracket
32102-000100-200-RS	SATA power cable

1

Industrial Computing Solutions

2

Video Capture Solutions

3

Embedded Computing Solutions

4

Industrial Data Collector and Controller

5

Panel Solutions Introduction

6

ORing Network Communication

7

Power Supply/ Peripherals