

# PCISA-9652

Half-size PCISA CPU card supports a Mobile Intel® Core™2 Duo or Celeron® M processor with a 533 MHz, 667 MHz or 800 MHz and comes with an Intel® GME965, Intel® ICH8M-E I/O controller hub, dual PCIe GbE, three 3.0 Gbps SATA II, 24-bit dual-channel LVDS, analog CRT and USB 2.0

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

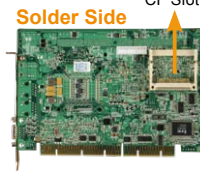
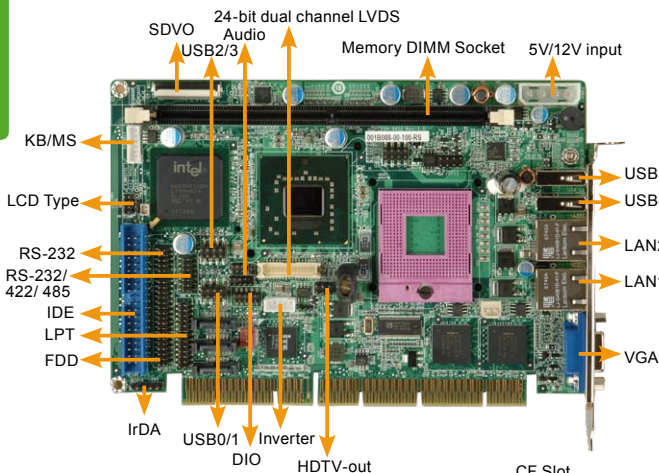
4 Industrial Data Collector/Server Solutions

5 Video Capture Solutions

6 I/O Communication Solutions

7 Panel Solutions

8 Power Supply/Network Communication/Peripherals



Generation	Core™2 Duo		
	65nm		45nm
Process	533 / 667 MHz	667 / 800 MHz	800 MHz
FSB			
Architecture	Merom Napa Refresh	Merom Santa Rosa	Penryn
	Socket M	Socket P	Socket P
TDP	34W	35W	29W
Platform			
	945GME		GME965

DDR2 667

FSB 800

Socket P



24-bit Dual Channel LVDS

Dual Display

PCISA BUS

Gigabit Ethernet

Hi-Speed USB

## Specifications

- ◆ CPU  
Socket P Intel® Core™2 Duo, Core™ Duo, Core™ Solo, Celeron® M mobile processor with a 533 MHz or 800 MHz
- ◆ System Chipset  
GME965+ICH8M-E
- ◆ BIOS  
AMI BIOS Label
- ◆ Memory  
One 240-pin 2 GB (max.) 533 MHz or 667 MHz DDR2 SDRAM DIMM supported
- ◆ Graphic  
1. Integrated Mobile Intel® GMA X3100 supports 2048x1536 (QXGA) at 60-Hz, 32-bpp  
2. Intel® Clear Video Technology supports MPEG-2 / WMV9 Hardware Acceleration, DirectX 9, OpenGL\* 1.5, HW Pixel Shader 3.0
- ◆ Display Output  
Analog CRT  
24-bit dual-channel LVDS  
HDTV-out support 1080i (Max.) resolution
- ◆ Ethernet  
Dual Intel® 82573L PCIe GbE controllers
- ◆ I/O Interfaces  
1 x RS-232  
1 x RS-232/422/485  
1 x LPT  
1 x FDD  
1 x 6-pin header for Keyboard and mouse  
1 x IDE  
3 x SATA II with RAID 0,1  
6 x USB2.0 (Four on-board and two on the bracket)  
1 x Front\_Panel (ACPI/IDE indicator, Speaker, Power Button, Reset )
- ◆ Digital I/O  
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ SSD  
CF Type II
- ◆ Audio  
Supports 7.1 channel HD audio via AC-KIT883HD
- ◆ WDT  
Software Programmable support 1~255 sec. System reset
- ◆ Power Supply  
AT and ATX support
- ◆ Power Consumption  
5 V @ 7.72 A, 12 V @ 0.139 A running a 2.0 GHz Intel® Core™2 Duo T7300 processor with 667 MHz 1GB DDR2 DIMM
- ◆ Temperature  
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity  
Operation: 5% ~ 95% non-condensing
- ◆ Dimensions  
185 mm x 127.6 mm
- ◆ Weight  
GW: 1.0 kg / NW: 266 g

## Features

1. Supports 65 nm Socket P Intel® Mobile Core™2 Duo and Celeron® M processors with a 667 MHz or 800 MHz FSB
2. Intel® GM965 integrates with GMAX3100 graphics engine and delivers high quality video playback
3. HDTV-out, LVDS and VGA display output with support for dual-display function
4. Dual PCIe GbE, three SATA II, CF Type II, and rich IO design

## Packing List

1 x PCISA-9652 single board computer
1 x ATA 66 flat cable (P/N: 32200-000052-RS)
1 x Mini jumper pack
1 x LPT/RS-232 cable (P/N:19800-000027-RS)
2 x SATA cable (P/N: 32000-062800-RS)
1 x SATA power cable (P/N: 32100-088600-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x QIG

## Ordering Information

Part No.	Description
PCISA-9652-R10	Half-size PCI and ISA SBC with Intel® Mobile Core™2 Duo / Celeron® M CPU at FSB 800/533MHz, GME965 and ICH8M-E, Dual PCIe GbE, 3 SATA II, 24-bit dual channel LVDS output, USB 2.0
CF-479B-RS	CPU cooler (50 mm x 50 mm x 26 mm, 50 W)
32200-000058-RS	FDD cable w/o bracket
19800-000110-RS	RS-232/422/485 cable with bracket
19800-000075-RS	KB/MS cable with bracket
AC-KIT883HD-R10	7.1 channel HD audio kit with realtek ALC883 support dual audio streams
HDTVCABLESET-01	HDTV cable set with S-Video / Composite/ Component interface