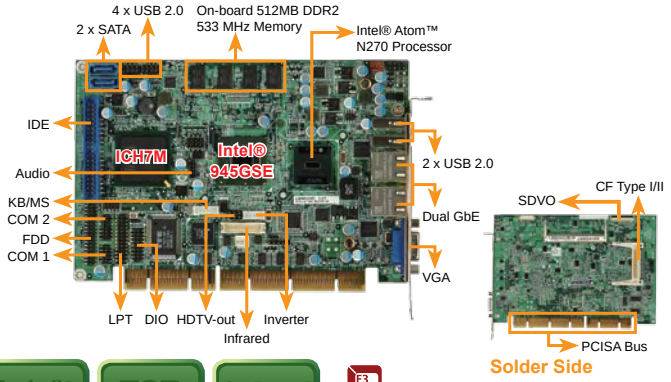
PCISA-945GSE-R11

Half-size PCISA CPU card with Intel® Atom™ processor, 512 MB memory on board, VGA/LVDS/HDTV-out, Dual PCIe GbE, USB 2.0 and SATA



Intel® Atom™ | FSB 533 | On-board memory | One Key Recovery | Dual DDR2 533 | Fanless | Dual Display | USB 2.0 | SATA | PCIe GbE

Features

1. PCISA CPU card supports four PCI and ISA expansions
2. Intel® Atom™ N270 processors at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
3. 512 MB of 533 MHz DDR2 SDRAM on board
4. Supports VGA, HDTV-out up to 1080i and 18-bit dual-channel LVDS with dual display support
5. Two SATA, one IDE, floppy and CF type I/II for data storage
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU
  On-board Intel® Atom™ N270 processor 1.6 GHz 512 KB L2 cache with a 533 MHz FSB
- System Chipset
  Intel® 945GSE + ICH7M
- BIOS
  AMI BIOS
- System Memory
  On-board 512 MB DDR2 533 MHz memory
  One 200-pin (system memory max. 2GB) 533MHz DDR2 SDRAM DIMM supported
- Ethernet
  Dual PCIe Realtek 8111CP GbE
- I/O Interface
  1 x RS-232 — 1 x RS-232/422/485
  2 x SATA — 1 x LPT
  1 x IDE — 1 x FDD
  1 x CF type I/II — 1 x 6-pin header for KB/MS
  6 x USB 2.0 (2 on bracket, 4 on board by pin header)
- 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 integrated in Intel® 945GSE
  HDTV/TV supports NTSC/PAL and HDTV resolution up to 1080i
  18-bit dual-channel LVDS
- Audio
  Supports 7.1 channel HD audio or 5.1 channel AC'97 audio by IEI audio kits
- Watchdog Timer
  Software programmable supports 1~255 sec. system reset
- Power Supply
  AT/ATX power
- Power consumption
  5V@2.89A, 12V@0.22A (Intel® Atom™ N270 1.6GHz/533 MHz CPU with 512 MB 533 MHz DDR2)
- Temperature
  Operation: 0ºC ~ 60ºC (32ºF ~ 140ºF)
- Humidity
  Operation: 5% ~ 95%, non-condensing
- Dimensions
  185 mm x 127.6 mm
- Weight
  GW: 1000g/NW: 252g

Packing List

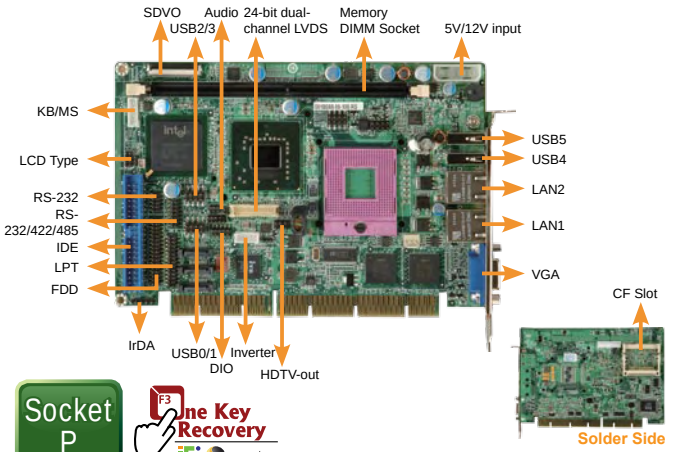
1 x PCISA-945GSE single board computer	
1 x LPT/RS-232 cable (P/N: 19800-000027-RS)	
1 x USB cable (P/N: 19800-003100-200-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x QIG
1 x One Key Recovery CD	1 x Utility CD

Ordering Information

Part No.	Description
PCISA-945GSE-N270-512MB-R11	PCISA CPU card with Intel® Atom™ N270 1.6G processor, 512 MB memory on board, VGA/LVDS/ HDTV-out, dual PCIe GbE, USB 2.0, SATA
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655
32102-000100-200-RS	SATA power cable
32200-000052-RS	ATA 66 flat cable
32200-000058-RS	FDD cable w/o bracket
19800-004300-100-RS	RS-232/422/485 cable with bracket
19800-000075-RS	KB/MS cable with bracket

PCISA-9652

Half-size PCISA CPU card supports a Mobile Intel® Core™2 Duo processor with a FSB 800 MHz, dual PCIe GbE, three SATA II, 24-bit dual-channel LVDS, analog CRT and USB 2.0



Socket P | One Key Recovery | FSB 800 | DDR2 667 | Dual Display | USB 2.0 | PCIe GbE | PCISA BUS

Features

1. Supports 45/65 nm Socket P Intel® Mobile Core™2 Duo and Celeron® M processors with a 667 MHz or 800 MHz FSB
2. Intel® GME965 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
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU
  Socket P Intel® Core™2 Duo, Core™ Duo, Core™ Solo, Celeron® M mobile processors with a 533 MHz or 800 MHz FSB
- System Chipset
  GME965+ICH8M-E
- BIOS: AMI BIOS
- Memory
  One 240-pin 2 GB (max.) 533 MHz or 667 MHz DDR2 SDRAM DIMM supported
- Graphics
  Integrated Mobile Intel® GMA X3100 supports 2048x1536 (QXGA) at 60-Hz, 32-bpp
  Intel® Clear Video Technology supports MPEG-2/WMV9 Hardware Acceleration, DirectX 9, OpenGL 1.5 and HW Pixel Shader 3.0
- I/O Interfaces
  1 x RS-232 — 1 x RS-232/422/485
  1 x LPT — 1 x FDD
  1 x IDE — 3 x SATA II with RAID 0/1
  1 x 6-pin header for keyboard and mouse
  6 x USB 2.0
  (Four on-board and two on the bracket)
  1 x CF Type II
- Ethernet
  Dual Intel® 82573L PCIe GbE controller
- Display Output
  Analog CRT
  24-bit dual-channel LVDS
  HDTV-out support 1080i (max.) resolution
- Digital I/O
  8-bit digital I/O (4-bit input, 4-bit output)
- Audio
  Supports 7.1 channel HD audio via AC-KIT-888HD-R10
- WDT
  Software programmable supports 1~255 sec. system reset
- Power Supply
  AT and ATX support
- Power Consumption
  5 V @ 7.72 A, 12 V @ 0.139 A running at 2.0 GHz Intel® Core™2 Duo T7300 processor with 1GB 667 MHz 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

Packing List

1 x PCISA-9652 single board computer	
1 x SATA power cable (P/N: 32102-000100-200-RS)	
1 x LPT/RS-232 cable (P/N: 19800-000027-RS)	
1 x ATA 66 flat cable (P/N: 32200-000052-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-200-RS)	1 x Utility CD
2 x SATA cable (P/N: 32801-000703-200-RS)	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-R11	CPU cooler (50 mm x 50 mm x 26 mm, 50 W)
32200-000058-RS	FDD cable w/o bracket
19800-004300-100-RS	RS-232/422/485 cable with bracket
19800-000075-RS	KB/MS cable with bracket
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams