

## Half-size PISA CPU Card

# HE-875P

Intel Atom processor with DDRII SO-DIMM,  
Onboard VGA, LVDS, DVI, Mini PCI, SATA,  
USB2.0, CF, Giga LAN and AC97 Audio



<b>Form Factor</b>	Half-size PISA bus CPU Card
<b>CPU</b>	Intel Atom N270 1.6GHz processor L2 cache: 512KB Package type: FCBGA8 Front side bus: 533MHz
<b>Memory</b>	1 x 200-pin DDR2 400/533 SO-DIMM SDRAM up to 2GB Non-ECC, unbuffered memory supported only
<b>Chipset</b>	Intel 945GSE & ICH7M
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode
<b>VGA Interface</b>	Intel integrated extreme GMA 950 (Graphic Media Accelerator) Technology
<b>Video memory</b>	Up to 224MB share with system memory
<b>LVDS Interface</b>	Onboard 18-bit dual channel LVDS interface <b>Optional:</b> 24-bit dual channel LVDS interface ( HE-875PXG2/HE-875PXG )
<b>DVI Interface</b>	<b>Optional:</b> DVI interface ( HE-875PDG2/HE-875PDG )
<b>SATA Interface</b>	2 x serial ATA interface with 150MB/s transfer rate
<b>IDE Interface</b>	1 x UltraATA33 IDE channel up to 2 ATAPI devices with IDE 44-pin connector
<b>Solid State Disk</b>	IDE supports 44-Pin Disk On Module with +5V power supply 1 x Compact Flash Type II socket
<b>Audio Interface</b>	Intel integrated ICH7M with AC97 Audio
<b>LAN Interface</b>	2 x Gigabit LAN
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x Mini-PCI socket and 1 x Compact Flash Type II socket
<b>Internal I/O Port</b>	1 x IDE, 2 x SATA, 1 x FDD, 1 x LPT, 6 x USB, 1 x CDIN, 1 x AC97 Audio connector, 1 x GPIO, 1 x IrDA, 1 x Onboard 5-pin AT keyboard Port, 1 x RS232, 1 x RS232/422/485, 1 x HDTV, 1 x LVDS, 1 x 5-pin LCD inverter connector, 1 x DVI ( HE-875PDG2/HE-875PDG )
<b>External I/O Port</b>	COM, LAN, DB15 VGA, PS/2 Keyboard & Mouse
<b>Power Requirement</b>	+5V, +12V DC input & 5V <sub>SB</sub> Requirement, Onboard 4-pin power & 3-pin ATX connector
<b>Dimension</b>	185 mm x 127 mm ( L x W )
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

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## Ordering Code

<b>HE-875PDG2</b>	Onboard VGA, LVDS for 18-bit dual channel, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, AC97 Audio, <b>DVI</b> and <b>2 x Gigabit LAN</b> .
<b>HE-875PDG</b>	Onboard VGA, LVDS for 18-bit dual channel, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, AC97 Audio, <b>DVI</b> and <b>1 x Gigabit LAN</b> .
<b>HE-875PG2</b>	Onboard VGA, LVDS for 18-bit dual channel, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, AC97 Audio and <b>2 x Gigabit LAN</b> .
<b>HE-875PG</b>	Onboard VGA, LVDS for 18-bit dual channel, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, AC97 Audio and <b>1 x Gigabit LAN</b> .
<b>HE-875PXG2</b>	Onboard VGA, LVDS for <b>24-bit</b> dual channel, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, AC97 Audio and <b>2 x Gigabit LAN</b> .
<b>HE-875PXG</b>	Onboard VGA, LVDS for <b>24-bit</b> dual channel, HDTV, IDE, CF, SATA, COM, USB2.0, Mini PCI, AC97 Audio and <b>1 x Gigabit LAN</b> .