

## Half-size PISA CPU Card

# HS-873P

Support Intel Penryn CPU with DDRIII SO-DIMM,  
VGA, LVDS, DVI, HDTV, USB, Serial ATAI,  
Gigabit LAN, PCI Express mini card, HD Audio



<b>Form Factor</b>	Half-size PISA CPU Card
<b>CPU</b>	Support Intel Penryn Processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 667/800/1066 MHz
<b>Memory</b>	Two DDRIII 800/1066 MHz SDRAM up to 8 GB
<b>Chipset</b>	Intel GM45 & ICH9-M
<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 2.0 compliant, supports power saving mode
<b>VGA Interface</b>	Intel integrated extreme GMA 4500MHD (Graphic Media Accelerator) Technology
<b>LVDS interface</b>	Onboard 18/24-bit dual channel LVDS connector
<b>DVI Interface</b>	Onboard DVI transmitter with 26-pin DVI connector (HS-873PXDG, HS-873PXDG2)
<b>Serial ATA Interface</b>	3 x serial ATAI interface with 300MB/s transfer rate
<b>Audio Interface</b>	Intel integrated ICH9-M with Realtek HD Audio
<b>LAN Interface</b>	2 x Intel 82574L Gigabit Ethernet controllers
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x PCI Express mini card
<b>Internal I/O Port</b>	1 x RS232, 1 x RS232/422/485, 1 x FDD, 1 x GPIO, 1 x Parallel 1 x CDIN connector, 6 x USB, 1 x Audio connector, 1 x LVDS, 1 x HDTV 1 x IrDA connector, 1 x Onboard 5-pin AT keyboard Port, 1 x 5-pin LCD inverter connect, 1 x DVI (HS-873PXDG,HS-873PXDG2)
<b>External I/O Port</b>	2 x RJ45 LAN port, 1 x DB15 VGA port, 1 x PS/2 Keyboard/Mouse Port (HS-873PXG2, HS-873PXDG2) 1 x RJ45 LAN port, 1 x DB15 VGA port, 1 x PS/2 Keyboard/Mouse Port, 1 x DB9 RS232 (HS-873PXG, HS-873PXDG)
<b>Power Requirement</b>	DC 5V/12V power required, optional 5VSB for ATX Onboard 4-pin power connector & 3-pin ATX connector
<b>Board 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>HS-873PXG</b>	Onboard VGA, LVDS, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, GPIO, FDD, IrDA, PCI Express mini card.
<b>HS-873PXG2</b>	Same as above and with secondary Gigabit LAN.
<b>HS-873PXDG</b>	Onboard VGA, LVDS, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, GPIO, FDD, IrDA, PCI Express mini card, <b>DVI</b> .
<b>HS-873PXDG2</b>	Same as above and with secondary Gigabit LAN.
<b>MPX-574D</b>	PCI Express mini card supports single Giga LAN ( <b>Only HS-873PXG, HS-873PXG2</b> )
<b>MPX-SDVOD</b>	SDVO to DVI module ( <b>HS-873PXDG,HS-873PXDG2,HS-873PXG,HS-873PXG2</b> )

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