

# Industrial Single Board Computer

## Half-size PISA CPU Card

### HS-872P

Support Intel Mobile Core 2 Duo CPU with  
DDRII, Onboard VGA, Intel Gigabit LAN,  
Mini-PCI, AC97 Audio, Compact Flash, DVI,  
LVDS. USB. SATA. IDE



<b>Form Factor</b>	Half-size PISA bus CPU Card
<b>CPU</b>	Support Intel Core 2 Duo/Core Duo/ Core Solo/ Celeron M Processor Package type: Micro-FCPGA478 Front side bus: 533/667MHz
<b>Memory</b>	1 x DDRII 533/667MHz SDRAM up to 2GB
<b>Chipset</b>	Intel 945GM & 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 shared with system memory
<b>LVDS interface</b>	Onboard 18-bit dual channel LVDS connector
<b>DVI Interface</b>	Chrontel CH7307C DVI transmitter with onboard 26-pin DVI interface
<b>PCI Enhanced IDE</b>	One UltraATA33 IDE channel up to 2 ATAPI devices 1 x onboard 44-pin IDE connector
<b>Serial ATA Interface</b>	2 x serial ATA interface with 150MB/s transfer rate
<b>Audio Interface</b>	Intel ICH7-M integrated with Realtek ALC655 5.1CH AC97 Audio
<b>LAN Interface</b>	2 x Intel 82573L Gigabit Ethernet controllers
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Solid State Disk Interface</b>	Onboard 44-Pin IDE One Compact Flash Type II
<b>Extended Interface</b>	1 x Mini-PCI socket
<b>Internal I/O Port</b>	1 x RS232 port, 1 x RS232/422/485, 1 x FDD port, 1 x GPIO port, 1 x CDIN connector, 4 x USB ports, 1 x Audio connector, 1 x Parallel port 1 x IrDA connector, 1 x Onboard 5-pin AT keyboard Port, 1 x LVDS, 1 x DVI 1 x 5-pin LCD inverter connect
<b>External I/O Port</b>	2 x RJ45 LAN port, 1 x DB15 VGA port, 1 x PS/2 Keyboard/Mouse Port
<b>Power Requirement</b>	+5V, +12 DC input & 5V <sub>SB</sub> Requirement
<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-872PDG</b>	Support Intel Core 2 Duo/Core Duo/Core solo/Celeron M Processor with onboard VGA, DVI, LVDS, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, CF, GPIO, Mini PCI, FDD,IrDA
<b>HS-872PDG2</b>	Same as above and with secondary Gigabit LAN