

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



Form Factor	Half-size PISA bus CPU Card
CPU	Support Intel Core 2 Duo/Core Duo/ Core Solo/ Celeron M Processor Package type: Micro-FCPGA478 Front side bus: 533/667MHz
Memory	1 x DDRII 533/667MHz SDRAM up to 2GB
Chipset	Intel 945GM & ICH7M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/s ~ 255min/s
Power Management	ACPI 1.0 compliant, supports power saving mode
VGA Interface	Intel integrated extreme GMA 950(Graphic Media Accelerator) Technology
Video Memory	Up to 224MB shared with system memory
LVDS interface	Onboard 18-bit dual channel LVDS connector
DVI Interface	Chrontel CH7307C DVI transmitter with onboard 26-pin DVI interface
PCI Enhanced IDE	One UltraATA33 IDE channel up to 2 ATAPI devices 1 x onboard 44-pin IDE connector
Serial ATA Interface	2 x serial ATA interface with 150MB/s transfer rate
Audio Interface	Intel ICH7-M integrated with Realtek ALC655 5.1CH AC97 Audio
LAN Interface	2 x Intel 82573L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Solid State Disk Interface	Onboard 44-Pin IDE One Compact Flash Type II
Extended Interface	1 x Mini-PCI socket
Internal I/O Port	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
External I/O Port	2 x RJ45 LAN port, 1 x DB15 VGA port, 1 x PS/2 Keyboard/Mouse Port
Power Requirement	+5V, +12 DC input & 5V _{SB} Requirement
Board Dimension	185 mm x 127 mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

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Ordering Code	
HS-872PDG	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
HS-872PDG2	Same as above and with secondary Gigabit LAN