

Industrial Single Board Computer

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



Form Factor	Half-size PISA CPU Card
CPU	Support Intel Penryn Processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 667/800/1066 MHz
Memory	Two DDRIII 800/1066 MHz SDRAM up to 8 GB
Chipset	Intel GM45 & ICH9-M
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 2.0 compliant, supports power saving mode
VGA Interface	Intel integrated extreme GMA 4500MHD (Graphic Media Accelerator) Technology
LVDS interface	Onboard 18/24-bit dual channel LVDS connector
DVI Interface	Onboard DVI transmitter with 26-pin DVI connector (HS-873PXDG, HS-873PXDG2)
Serial ATA Interface	3 x serial ATAI interface with 300MB/s transfer rate
Audio Interface	Intel integrated ICH9-M with Realtek HD Audio
LAN Interface	2 x Intel 82574L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCI Express mini card
Internal I/O Port	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)
External I/O Port	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)
Power Requirement	DC 5V/12V power required, optional 5VSB for ATX Onboard 4-pin power connector & 3-pin ATX connector
Board Dimension	185 mm x 127 mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code	
HS-873PXG	Onboard VGA, LVDS, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, GPIO, FDD, IrDA, PCI Express mini card.
HS-873PXG2	Same as above and with secondary Gigabit LAN.
HS-873PXDG	Onboard VGA, LVDS, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, GPIO, FDD, IrDA, PCI Express mini card, DVI .
HS-873PXDG2	Same as above and with secondary Gigabit LAN.
MPX-574D	PCI Express mini card supports single Giga LAN (Only HS-873PXG, HS-873PXG2)
MPX-SDVOD	SDVO to DVI module (HS-873PXDG,HS-873PXDG2,HS-873PXG,HS-873PXG2)

For further product information please visit the website at <http://www.commell.com.tw>

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