

Industrial Single Board Computer

Half-size PCI Bus CPU Card

HS-771

Support Intel Penryn CPU with DDRIII SO-DIMM,
VGA, LVDS, HDTV, Gigabit LAN, Mini PCI, SATAII,
PCI Express mini card, HD Audio, DVI-I and USB



Form Factor	Half-size PCI Bus CPU Card
CPU	Support Intel Penryn Processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 667/800/1066 MHz
Memory	2 x DDRIII SO-DIMM 800/1066 up to 8GB
Chipset	Intel GM45 & ICH9M
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
Serial ATA Interface	4 x serial ATAII interface with 300MB/s transfer rate
VGA Interface	Intel integrated extreme GMA 4500MHD(Graphic Media Accelerator) Technology
LVDS Interface	Onboard 18/24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
Audio Interface	Intel integrated ICH9M with Realtek HD Audio codec
LAN Interface	2 x Intel 82574L Gigabit LAN controllers
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCI express Mini card, 1 x Mini PCI socket
Internal I/O Port	1 x RS232/422/485, 1 x RS232, 1 x ATKB, 1 x SMBUS, 1 x GPIO, 1 x HDTV, 8 x USB ports, 1 x IrDA, 1 x LVDS, 4 x Serial ATA, 1 x LCD inverter, 1 x Front panel Audio, 1 x CDIN and 1 x VGA
External I/O Port	2 x RJ45 LAN ports, 1 x DVI-I port and 1 x PS/2 Keyboard/Mouse Port
Power Requirement	DC 5V/12V power required, optional 5VSB for ATX Onboard 4-pin power connector & 3-pin ATX connector
Dimension	185mm x 122mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

HS-771	Onboard VGA, LVDS, DVI-I, LAN, USB2.0, HD Audio, SATA, HDTV, SMBUS, Mini PCI and PCI Express mini card
MPX-574D/D2	PCI Express mini card supports single/dual Giga LAN
ADP-L2T	18bit LVDS to TTL module
CBP-5P4	Support 4 X PCI slots backplane

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

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