

Industrial Single Board Computer

Half-size PCI Bus CPU Card

HE-772

Intel® Atom™ Processor , Onboard LVDS , CRT ,
Giga LAN , HD Audio , SATA , IDE , CF socket ,
MiniCard , PS2 , LPT



Form Factor	Half-size PCI Bus CPU Card
CPU	Intel® Atom™ N450 processor 1.66GHz(HE-772G) Intel® Atom™ D410 processor 1.66GHz(HE-772H) Intel® Atom™ D510 processor 1.66GHz(HE-772A) Sockets Supported: FCBGA559
Memory	1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 2GB(HE-772G Only) 1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 4GB(HE-772H/A Only) Non-ECC, unbuffered memory supported only
System Chipset	Intel ICH8M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
Power Management	ACPI 2.0 compliant, supports power saving mode
Integrated Graphics	Intel® integrated extreme GMA 3150(Graphic Media Accelerator) Technology
Video Memory	Up to 384MB shared with system memory
LVDS interface	Chipset Integrated 18-bit single channel LVDS with Hirose connector with +3.3V/5V supply
Serial ATA interface	3 x serial ATAII interface with 300MB/s transfer rate
Solid State Disk	1 X Compact Flash Type II socket
Audio Interface	Intel ICH8M integrated with Realtek ALC888 HD Codec
LAN Interface	2 x Intel 82583V Gigabit Ethernet controller
Extended Interface	2 x Mini PCIE card socket
Internal I/O Port	1 x RS232/RS422/485 , 5 x RS232 , 1 x LVDS , 1 x INV , 1 x LPT , 1 x IrDA , 1 x IDE 6 x USB2.0 , 3 x SATAII , 1 x SMBUS , 1 x CN_CRT , 1 x DIO and 1 x HD Audio
External I/O Port	2x RJ45 , 1 x PS2 , 1 x VGA 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
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

HE-772G	Support Intel® Atom N450 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF , Mini PCIE card.
HE-772H	Support Intel® Atom D410 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF , Mini PCIE card.
HE-772A	Support Intel® Atom D510 processor with onboard VGA, LVDS for 18-bits, Audio, Giga LAN,USB2.0, SATA , CF , Mini PCIE card.
CBP-5P4	Support 4 X PCI slots backplane.
MPX-954E	PCI Express mini card support 2 x RS232 , 2 x RS422/RS485

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