

Industrial Single Board Computer



Half-size PCI Bus CPU Card

HE-760

VIA CN400 with DDR266/333/400

Onboard VGA, Dual LAN, Mini-PCI

SATAx2 , USB2.0, 4xCOM Port

REALTEK ALC201A 2 Channel 3D Audio



Platform	Half-size PCI bus CPU Card
Processor	Embedded VIA Eden 800MHz with 133MHz FSB Fanless with heatsink only
Memory	1 x DDR266/333/400 SDRAM up to 1GB Unbuffered, none-ECC memory supported only
Chipset	VIA CN400 and VT8237R
BIOS	Phoenix-Award V6.00PG 4Mb PNP flash BIOS
Real Time Clock	VIA VT 8237R built-in RTC with lithium battery
Watchdog Timer	System reset programmable watchdog timer with 1~255 sec/min. of timeout value
Hardware Monitor	Fan speed, CPU temperature and voltage monitoring
VGA Interface	VIA CN400 built-in S3 Graphics UniChrome Pro IGP graphics core Up to 1920 x 1440 of resolution
Video Memory	BIOS selectable 16/32/64MB shard with system memory
Enhanced IDE	Enhanced UltraDMA133 IDE interface supports dual channels and up to 4 ATAPI device One 44-pin IDE port onboard One 40-pin IDE port onboard Two SATA Port
SATA	2 x Serial ATA interface with 150MB/s of transfer rate
MPEG Accelerator	VIA CN400 integrates MPEG-II/MPEG-4 hardware accelerator
Audio	REALTEK ALC201A
LCD interface	Optional 18/24-bit LVDS interface of VIA VT1631 transmitter 1 x 5-pin inverter interface
TMDS interface	1 x 12-bit DVI interface of VIA VT1632 transmitter
TV-out Interface	Optional onboard SDTV/HDTV interface
Network Interface	Primary LAN with VIA VT6103 10/100Mbps PHY Second LAN with Intel i82541PI 100/1000Mbps Giga LAN
GPIO	One 12-pin Digital I/O connector with 8-bit programmable I/O interface
Solid State Disk	IDE1 supports 40-Pin Disk On Module with +5V power supply IDE2 supports 44-Pin Disk On Module with +5V power supply 1 x Compact Flash Type-II socket
Internal I/O	3 x 10-pin RS232 serial ports + 1xRS232/422/485 serial port 1 x 10-pin USB2.0 ports 1 x 4-pin CD-IN port and 1 x 5-pin IrDA interface 1 x 34-pin floppy interface 1 x Mini-PCI socket 1 x Parallel port 1 x 10-pin Audio interface
External I/O	1 x PS/2 Keyboard and Mouse port 1 x DVI connector 2 x RJ45 LAN Port

Power Requirement +5V , 5Vstandby & +12V DC Input

Board Dimension 185mm X 121mm

Operation Operating within 0~60 centigrade

Temperature Storage within -20~85 centigrade

Ordering Code

HE-760GED VIA CN400 with Embedded VIA Eden ESP8000 processor, VGA, SATA, Audio, CF, PCI, 4 x RS232, Dual LAN, DVI

HE-760GEX VIA CN400 with Embedded VIA Eden ESP8000 processor, VGA, SATA, Audio, CF, PCI, 4 x RS232, Dual LAN, LVDS

CBP-5P4 Support 4 x PCI slot backplane

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

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