

Industrial Single Board Computer

Mini-ITX Embedded VIA CLE266 Eden/C3 DDR Platform



ITX-662

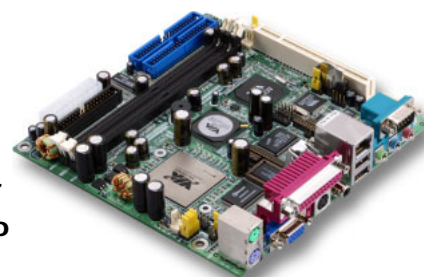
Mini-ITX Embedded Multimedia Motherboard

Onboard VIA Eden 1 GHz Low Power / Fanless CPU

VIA UniChrome CLE266 Chipset Built-in MPEG-2 Decoder

VGA, RGB-based AV / S-Video TV-out, LAN, 5.1-CH Audio

Hi-Speed USB 2.0, IEEE1394 and CompactFlash Socket



Single Board Computer

Form Factor	Mini-ITX form factor with 170 x 170 mm (W x L) of dimension	
CPU	Embedded VIA EBGA Eden / C3 CPU up to 1.2+ GHz @ 133 / 100 MHz FSB Onboard VIA Eden ESP10000 CPU with 1 GHz @ 133 MHz FSB, Fan Free Operating Optional onboard VIA C3 CPU with 1 GHz @ 133 MHz FSB with onboard cooling fan	
Memory	Two 184-pin DIMM socket supports up to 2 GBytes DDR266 SDRAM	
Chipset	VIA UniChrome CLE266 northbridge and VT8235 southbridge	
Watchdog Timer	Programmable generates NMI or system reset with 1 to 255 sec. / min. of time out value	
Expansive Interface	One PCI slot supports up to two PCI bus master of add-on cards with riser card	
PCI Enhanced IDE	Dual UltraATA/133 (PATA) IDE channels support 4 ATAPI devices	
VGA Interface	VIA UniChrome CLE266 chipset built-in Unichrome graphics with 2D/3D engine BIOS selectable 8/16/32/64 MB of video memory shared system memory	
MPEG2 Decoder	VIA CLE266 built-in MPEG-2 decoder support Slice Layer, IDCT, & Motion Compensation	
LVDS Interface (Optional)	VIA Unichrome CLE266 chipset built-in VGA code with optional LVDS module Support single-/dual-channel 18-/24-bit LVDS TFT LCD interface	
TV-out Interface	Onboard AiTech AIT2139KL analog, non-interlaced RGB-based AV / S-Video TV-out with onboard independent 2 MBytes memory, AV / S-video NTSC / PAL TV-out interface	
Ethernet Interface	Onboard VIA 10/100 Mbps Fast Ethernet interface with external RJ45 connector	
Hi-Speed USB 2.0	VIA 8235 chipset built-in Hi-Speed USB 2.0 controller with 6 bootable USB ports	
Audio Interface	VIA 8235 chipset with ACL650 5.1 channel and S/P DIF AC97 3D audio codec	
IEEE1394 Interface	PCI VIA 6307S IEEE1394 controller with 100/200/400 Mbps of data transfer bandwidth	
Multi-I/O Port	2 x COM ports with one optional RS-232/422/485 COM port, 6 x USB 2.0 ports SPP/EPP/ECP parallel port, IrDA, floppy, PS/2 keyboard and mouse port	
External I/O Panel	PS/2 keyboard and mouse port; VGA, AV / S-Video TV-out, Parallel Port Dual Hi-Speed USB 2.0, RJ45 Ethernet, Audio and COM port	
CompactFlash Socket	CompactFlash socket supports CompactFlash Card (CFC) IDE-based, bootable, driver free flash disk with 16.6 MB of data transfer bandwidth	
Environment	Power Requirement: 20-pin ATX power connector Board Dimension (W x L): 170 x 170 mm. Standard Mini-FlexATX / Mini-ITX form factor	
Ordering Code	ITX-662E	Mini-ITX Embedded VIA Eden 1 GHz EmbATX Motherboard with Onboard Fanless VIA ESP10000 Eden 1.0 GHz CPU VGA, TV-out, LAN, Audio, IEEE1394, USB 2.0, and CompactFlash Socket
	ITX-662C	Same as above but with Onboard VIA C3 1.0 GHz CPU (with CPU fan)

For further product and technical information, please visit the website at <http://www.commell-sys.com>

COMMELL SYSTEMS Corporation

10F-5, No. 258, Lien-Cheng Road, Chung-Ho City, Taipei Hsien, Taiwan.

TEL: +886-2-82272189

FAX: +886-2-82272193

Website: <http://www.commell-sys.com>

E-mail: info@commell-sys.com

