

	<p>KEY FEATURES</p> <ul style="list-style-type: none"> ▶ Dual 10/100 base-T Fast Ethernet ▶ On-board VIA C3 400MHz ~ 1GHz+ processor with 100/133MHz FSB ▶ Support DDR 200/266 MHz SDRAM ▶ CFD storage devices support ▶ USB 2.0 x 6 ▶ PC 104 plus
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DESCRIPTION

The ELK-EPC566, a new embedded CPU board, is based on VIA C3 1 GHz or Eden 667 MHz ultra low power CPUs, and the CLE 266 chipset supporting the DDR memory.

Middle-Range Embedded Board with GHz Processor and DDR Memory

Company ASAN ST International announced today a new embedded CPU board, the ELK-EPC566, based on VIA C3 1 GHz or Eden 667 MHz ultra low power CPUs, and the CLE 266 chipset supporting the DDR memory.....

SPECIFICATIONS

System Architectur	5.25" size form factor PCI V2.2 compliant
CPU Support	On-board VIA C3 Processor EBGA Package with 128KB Level 1 and 64KB Level 2 Cache 400 ~1000 Mhz (1G standard product) CPU on board, And feature VIA C3 series CPU with EBGA Package CPU FSB 100/133MHZ
Memory	One 184-pin DIMM. Support Max memory size to 1 GB
BIOS	Award system BIOS Advanced Power Management support Optional ACPI Support 4M bits flash ROM
Chipset	VIA 8623 (CLE266) 100 /133 MHz North Bridge VIA VT8235 PCI V2.2 complied
LAN	LAN VIA Ethernet Controller x 2, VT6105 Dual Chip 10 /100 Base TX support, full duplex Boot From LAN function Drivers support: DOS/ Windows, Windows 95/98/2000, Windows NT, Netware, SCO Open Server 5.0, Linux 7.2 or later, FreeBSD Interface : RJ45 connector x 2
Audio	AC97 ver. 2.0 compliant interface from VT8235 Sound AC-97 Audio Interface CODEC: VT: 1616 Audio interface: Line in (Internal), Microphone in, Speaker out (with Amplifier)
VGA(Hardware Disable is needed)	VIA 8623 S3 Graphics UniChrome AGP8x 2D/3D graphics engine Optimized Shared Memory Architecture (SMA) 8/16/32/64 MB frame buffer using system memory Single cycle 128-bit (2D), 1 Pipe, 2 Texture, dedicated (3D) architecture Full internal AGP 8X performance Next generation, 128-bit 2D graphics engine High quality DVD video playback 2D/3D resolutions up to 1920x1440 Extensive LCD Support 18/24 TTL TFT flat panel interface support (DF-13 connector 40 pin X1) LVDS for option (through Daughter board) 12 bit DVI 1.0 compatible interface for driving of flat panel using external TMDS encoder Support for panel resolutions up to 1600x1200 Drivers support;GWindows 95/98/2000, Windows NT4.0, Win XP, Linux 16 Pin VGA Output (box header 2.00mm 8 x 2 pin) DVI 12 bit Interface 20 pin box header Connector x 1 18/24 bit TTL LCD Interface (DF-13 connector 40 pin X1)
I/O interface	Power Header x 1 for LCD Panel Backlight COM reserved the RING pin to power Touch Screen LCD (jumper select 5 or 12V or ring) 3 pin Power Connector for CPU FAN and Chassis FAN 2 pin IDE Active LED Header SIO' 4, with 4x16C550 UARTs, 40 pin 2.0mm box header X 1 ; one for RS-422/485 PIO x 1, bi-directional, EPP/ECP support, 26 pin connector x1 Floppy Disk controller;FDC pin connector x1 2 x 4 pin header connector x1, for PS/2 keyboard/mouse On-board USB port x 6, Jst 2.0mm x 3 On-board buzzer x1 Digital I/O: 4 bit TTL input and 4 bit TTL Output 2x4 2.00mm pin header On-board 3 pin header for I2C, one pin for GND On-board 5 pin header for IrDA Tx/Rx On-board 2 pin header for Reset SW On-board 2 pin header for power SW (ATX Mode)
System Monitor	Derived from super I/O to support system monitor 5 voltage (For +3.3V, +5V, +12V, Vcore and+2.5V) Monitor CPU fan speed and temperature Drivers support: Windows® 95/98/2000, Windows® NT4.0
Real time clock	On-chip RTC with battery back up External Li -Ion battery x 1
Watchdog Timer	Watchdog timeout can be programmable by Software from 0.5 to 64 second fÜ (Need to Reconfirm)
Expansion	One 32 bit/33MHZ PCI Slot support PCI Expansion PC104 PLUS connector x 1
Dimensions	203mm (L) x 146mm (W)
Power Source & Power requirements	20 pin power inport connector (standard ATX connector)
Environment	Operating temperatures: 0°C to 60°C Storage temperatures: -20°C to 80°C Relative humidity: 10% to 90% (non-condensing)
Certification	CE FCC

ORDERING INFORMATION

MODEL	DESCRIPTION
P/N:29E0056600	Wiring Kit for ELK-EPC566 (Optional)
ELK-EPC566	5.25" VIA Embedded Board with on board 1GHz CPU /2 x LAN/VGA/Audio

WARRANTIES: 1 Year Return to Factory Warranty

Specifications subject to change without notice.



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