

» ETX[®]-CN8 «



ETX[®] 3.0
Long Term Support

Excellent 3D graphics performance

- » With VIA C7[®]/Eden[®] processor, VIA CN896 and VIA VT8237S
- » ETX 3.0 – Long Term Support
- » 2x Serial ATA 300 for highspeed drives
- » Up to 2 GB DDR2 SODIMM memory
- » Windows Vista[®] support

ETX®-CN8

Excellent 3D graphics performance

The ETX®-CN8 module is based on the VIA C7® processor and VIA Eden® processor as well as on the VIA CN896 and VIA VT 8237S chipset. It also takes advantage of the new ETX® 3.0 specification that allow for 2 Serial ATA 300 ports without violating the existing ETX® 2.8 pin usage. ETX®-CN8 modules also will provide the following interfaces that are always located in the same physical position on each board, thus guaranteeing scalability between modules. For further expansions two IDE ports with Ultra66 DMA capabilities are available.

They do not provide the PCI bus only, the ISA bus signals are also available. A lot of existing ISA boards can still be used via an ISA slot on a baseboard. This avoids expensive redesigns and well proven ISA cards to PCI versions for standard PC motherboards.

PCI32, USB 2.0, Serial ATA 300, Parallel ATA, LVDS Multi-Media ports as well as an ACPI (Advanced Configuration and Power Interface) for optimized power management. The JILI display interface technology ensures automatic setting of the video controller parameters for the attached LCD panel.

Technical Information

Processor	VIA C7® processor and VIA Eden® processor
Chipset	VIA CN896, VIA VT8237S
Memory	Up to 2 GB DDR2 (400/533/667) SODIMM memory
Hard Disk	2x Serial ATA 300 (ETX 3.0 compliant); supports RAID 0, 1 2x EIDE UDMA66
USB	4x USB 2.0 (UHCI / EHCI)
PCI	PCI 2.2, 32 bit / 33 MHz PCI bus
Ethernet	VIA VT6103L 10/100 MBit Base-T-PHY
Sound	VIA VT1618 AC 97 controller, Line In, Line Out, Mic in
Video Controller	VIA CN896 integrated; Internal UMA video, up to 64 MByte (opt. 128 MByte); VIA Uni (Chrome Pro™ HCDX9 IGP); Dual Independent Display Support
LVDS and CRT Resolution	max. CRT WUXGA (1920x1440), max. LCD UXGA (1600x1200), (JILI3/EDID support)
Serial Ports	2 serial Com ports
Other Features	JIDA Support, IrDA1.1 enhanced, WakeOnLAN, Watchdog, I²C Bus, RTC, E²PROM BIOS Setup, LAN Boot, JRC support, Suspend states (S0/S3/S4/S5)
Operating Systems	WinXP, WinXPc, Win CE, Linux, Windows VISTA®
Form Factor	ETX® 3.0; 95 x 114 mm
Power Consumption	typical 9,3W @ 5V (VIA Eden® processor 500 MHz)
Temperature (*)	Operation: 0° to 60°C Storage: -30° to 85°C
Humidity	Operation: 10% to 90% Storage: 5% to 95% (non condensing)

(*) Ask about wider temperature ranges

Ordering Information

Article	Part-No.	Description
ETX®-CN8	18031-0000-05-2	With VIA Eden® processor 500MHz with CN896
ETX®-CN8	18031-0000-15-0	With VIA C7® processor 1.5GHz with CN896
ETX®-CN8-HSP	18031-0000-99-0	HSP-ETX®-CD threaded stand off
ETX®-CN8-HSP	18031-0000-99-1	HSP-ETX®-CD through hole stand off
DDR2-SODIMM-512MB	97011-5120-XX-X	DDR2 SODIMM memory module with 512MB
DDR2-SODIMM-1GB	97011-1024-XX-X	DDR2 SODIMM memory module with 1GB DRAM
DDR2-SODIMM-2GB	97011-2048-XX-X	DDR2 SODIMM memory module with 2GB DRAM

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