

EmCORE-v615

5.25" VIA Eden Low Power Miniboard with LCD / CRT,
Audio and 3 x LAN, PC/104 Plus



Features

- VIA Low Power Eden 300MHz (ESP 3000) up to 1GHz (ESP10K) CPU FSB66/100/133MHz
- 128MB SDRAM onboard and 1 x 144Pin SO-DIMM up to 512MB SDRAM, total 640MB
- UMA Savage 4 (VT8606T) AGP video controller with TTL, LVDS, CRT and TV-out support (daughterboard)
- Single or Triple LAN 10/100Mbps based on Intel 82559 or RTL8100BL
- Less than 12W power consumption

System

CPU	VIA Low Power Eden 300MHz(ESP3000) up to 1GHz (ESP10K) CPU FSB66/100/133MHz
Cache	2nd level 64KByte
Memory	128MB SDRAM onboard and 1 x 144Pin SO-DIMM up to 512MB SDRAM, total 640MB
Chipset	VIA Twister-T with VT8606 + VIA VT82686B
BIOS	Phoenix-AWARD PnP Flash BIOS
ATA/IDE	1 x Ultra DMA100, support 2 IDE drives 1 x Ultra DMA33, support 2 IDE drives
Flash Disk	1 x Type II Compact Flash Disk socket 1 x Disk On Chip socket
Watchdog Timer	127-level Reset

I/O

Serial port	3 x RS-232 ports (COM1/3/4) 1 x RS-232/422/485 port (COM2)
Parallel	SPP/EPP/ECP mode
Floppy	Support 2 floppy disk drives
IrDA	1 x SIR IrDA 1.1 compliant
USB port	4 x USB 1.1 compliant
KB & MS	1 x PS2 K/B and Mouse
Expansion Bus	1 x 32 bit PCI-based PC/104 Plus interface 1 x 16 bit ISA-based PC/104 interface
Digital I/O	8 bit digital Input/Output

Ethernet

Chipset	3 x Realtek 8100BL 10/100base-T 3 x Intel 82559 10/100base-T(optional) Built-in Boot ROM in Flash BIOS, support Boot from LAN
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Audio

Codec / Interface	VIA VT1612A AC97 Codec, support Mic-in/Line-in/Line-out
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Display

Graphic Chipset	VIA VT8606T Savage 4 Engine up to 32MByte UMA Video RAM
Graphic Interface	CRT support up to 1920 x 1440 LCD support 18/36 bit LVDS up to 1280 x 1024 LCD support 18/24/36 bit TTL up to 1280 x 1024 TV-Out support NTSC / PAL up to 1024 x 768

Mechanical & Environmental

Power Consumption	EmCORE-v615VL3R/E533 5V/3A (Max.)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (W x L)	146 x 203 mm (5.75" x 8")

Ordering Information

EmCORE-v615VL3R/E533	5.25" VIA Eden 533MHz miniboard with LCD/CRT, Audio and 3 x Realtek 8100BL LAN
Cable kit	CBK-10-0615-00 Page 5-2
LCD Daughterboard	FCDB-1221 Page 5-6
Memory Module	SDRAM 64MB SO-DIMM 144Pin SDRAM 128MB SO-DIMM 144Pin SDRAM 256MB SO-DIMM 144Pin SDRAM 512MB SO-DIMM 144Pin