

EmCORE-i612

3.5" Intel Ultra Low Voltage Celeron 400MHz Miniboard with LCD / CRT, Audio and LAN



Features

- Intel Ultra Low Voltage Celeron 400MHz CPU FSB100MHz (Fanless)
- Intel Ultra Low Voltage Celeron 400MHz up to Low Voltage Pentium III 933MHz FSB100/133MHz
- 1 x 144Pin SO-DIMM up to 512MB SDRAM
- Intel 815E integrated VGA or SMI LynxDM+ SM722 for Flat Panel / CRT and TV-out / DVI (optional)
- Intel 82562ET 10/100base-T Fast Ethernet
- Mini PCI socket for Wireless LAN
- Support Unique Board ID# for software based security and IP protection

System

CPU	Intel Ultra Low Voltage Celeron 400MHz up to Low Voltage pentium III 933MHz FSB100/133MHz
Cache	2nd level 512KByte
Memory	1 x 144Pin SO-DIMM up to 512MB SDRAM
Chipset	Intel 815E + Intel ICH2
BIOS	Phoenix-AWARD PnP Flash BIOS
ATA/IDE	1 x Ultra DMA 33, support 2 IDE drives
Flash Disk	1 x Type II Compact Flash Disk 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 port	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 32bit/33MHz Mini PCI Socket

Ethernet

Chipset	Intel 82562ET 10/100base-T Built-in Boot ROM in Flash BIOS, support Boot from LAN
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Audio

Codec / Interface	Realtek ALC202A AC97 Codec, support Mic-in / Line-in / Line-out
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Display

Type	EmCORE-i612VL
Graphics Chipset	Intel 815E Graphics Engine up to 32MByte UMA Video RAM
Graphics Interface	CRT support up to 1280 x 1024 DVI support 12 bit up to 1024 x 768
Type	EmCORE-i612VLS
Graphics Chipset	SMI722G8 Lynx3D+ engine 8MB Video RAM on chip
Graphics Interface	CRT support up to 1280 x 1024 LCD support 18/24 bit LVDS up to 1280 x 1024 LCD support 18/24 bit TTL up to 1280 x 1024 TV-Out support NTSC / PAL, up to 640 x 480 Dual Mode independent display

Mechanical & Environmental

Power Consumption	EmCORE-i612VLS/C400 5V/2.23A (Max.)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	145 x 102mm (5.7" x 4")

Ordering Information

EmCORE-i612VL/C400	3.5" Ultra Low Voltage Celeron 400 Miniboard with 4xAGP CRT SVGA, Fast Ethernet, Audio and Compact Flash Socket
EmCORE-i612VLS/C400	Same as above with SMI LynxEM+ SM722
Cable Kit	CBK-08-0612-00 Page 5-2
Power Converter	FCDB-1272 Page 5-8 DC to DC Power Module
Memory Module	SDRAM 64MB SO-DIMM 144Pin SDRAM 128MB SO-DIMM 144Pin SDRAM 256MB SO-DIMM 144Pin SDRAM 512MB SO-DIMM 144Pin