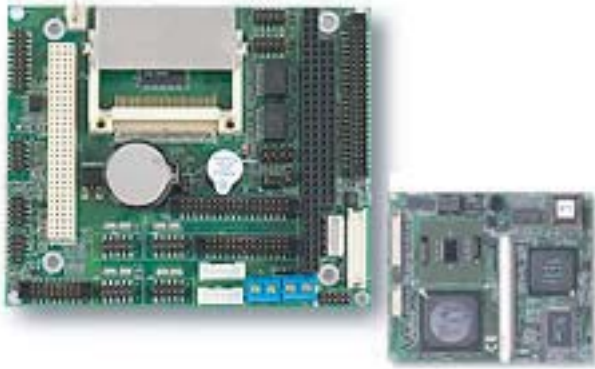


# Em104P-i6023

Intel Ultra Low Voltage Celeron 400 PC/104 Board with VGA/LCD, TV-out, CF, PC/104 & PC/104-Plus



## Features

- ★ Intel Ultra Low Voltage Celeron 400MHz, up to Low Voltage Pentium III 933MHz FSB100/133MHz
- ★ SDRAM up to 512MB (SO-DIMM)
- ★ Support CRT / LCD / TV-out
- ★ Dual RTL 8100BL 10/100 base-T Ethernet
- ★ Support Unique Board ID# (2K EEPROM) 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	VIA Twister-T VT8606T + VIA VT82686B
ATA / IDE	1 x Ultra DMA 33, support 2 IDE drives
BIOS	Phoenix - AWARD PnP Flash BIOS
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 v1.1 compliant
USB Port	4 x USB v1.1 compliant
KB/MS	1 x PS2 K/B and Mouse
Expansion Bus	1 x 32bit PCI-based PC/104 Plus interface 1 x 16bit ISA-based PC/104 interface
Digital I/O	8bit Digital Input / Output

## Ethernet

Chipset	2 x Realtek 8100BL 10/100base-T
	Built-in Boot ROM in Flash BIOS, support Boot from LAN

## Audio

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

Graphics Chipset	VIA Twister-T S3 Savage4 Engine up to 32MByte UMA Video RAM
Graphics Interface	CRT support QXGA 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	Em104P-i6023/C400 5V / 2.63A (Max.)
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% relative humidity, non-condensing system
Dimension (L x W)	114 x 95mm (4.5" x 3.7")
Weight	0.185 kg (0.41 lb)

## Ordering Information

Em104P-i6023/C400	Intel ULV Celeron 400 PC/104 board with CRT / LCD / TV-out, Fast Ethernet x 2, 8bit DIO	
Cable kit	CBK-10-1100-00	Page 5-0
Heat sink	HS-0602-W1	Page 5-5
	HS-0602-C1	Page 5-4
	HS-0602-F1	Page 5-4
Memory Module	SDRAM 64MB SO-DIMM 144Pin	
	SDRAM 128MB SO-DIMM 144Pin	
	SDRAM 256MB SO-DIMM 144Pin	
	SDRAM 512MB SO-DIMM 144-Pin	