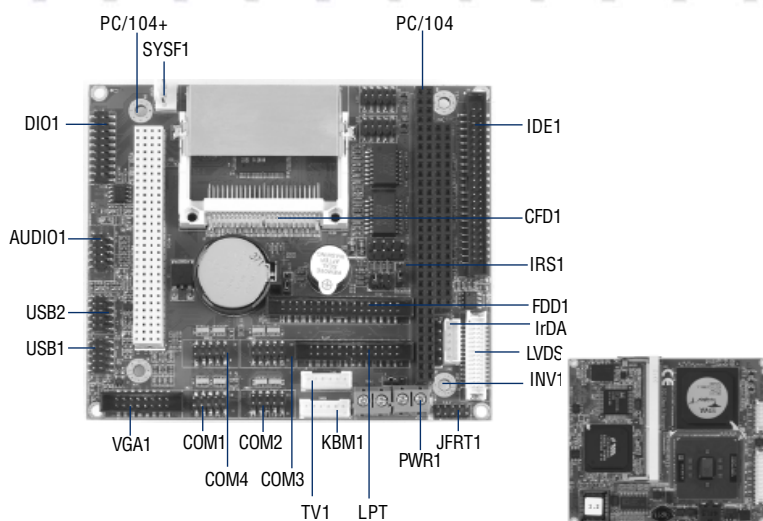


Em104P-i6023

Intel ULV Celeron 400 PC104 Board VGA/LCD, TV-out, CF, PC/104 & PC/104-Plus



Features

CE FCC ...

- ★ ULV Celeron 400MHz (Fanless)
- ★ SDRAM up to 512MB (SODIMM)
- ★ UMA Savage 4 (VT8606T) AGP Video Controller with TTL, LVDS, CRT and TV-Out support
- ★ 10/100Mbps Ethernet, RTL 8100BL
- ★ Support Unique Board ID# (2K EEPROM) for software based security and IP protection
- ★ System Easy Upgrade

Specifications

System

- **CPU Type:** Ultra Low Voltage Celeron 400MHz CPU with FSB 100MHz and 256KB L2 cache
- **System Memory:** Up to 512MB SDRAM on 144-pin SODIMM module
- **L2 Cache:** CPU integrated
- **Chipset:** VIA Twister-T™ with VT8606 northbridge and VT82C686B southbridge
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, supports Ultra DMA transfer rates up to 33MB/sec
- **BIOS:** Award Flash BIOS with ACPI and APM 1.2 power management
- **Watchdog Timer:** 127-level timer generates

Multiple I/O

- **IDE Port:** 1 x IDE port with Ultra DMA33
- **Serial:** 3 high speed RS-232C ports (com.1.34)
1 high speed RS-232C/422/485 port (com2)
- **Parallel:** SPP, EPP and ECP mode
- **IrDA:** SIR IrDA 1.1 compliant
- **USB:** 4 USB v1.1 ports
- **K/B & Mouse:** One PS/2 keyboard and one PS/2 mouse
- **DIO:** 8 bit Digital Input/Output

LAN

- **Chipset:** 2 x Realtek 8100BL
- **Ethernet Interface:** 10/100Mbps

Audio

- **Chipset:** VT82C686B integrated
- **Audio Controller:** AC97 v2.0 (Soundblaster compatible) (VIA

VT1612A) supports Micin, Line in, Line out

Display

- **Chipset:** UMA Savage 4 (VT8606T) AGP Video Controller with TTL, LVDS, CRT and TV-Out support
- **Display Memory:** Up to 32MB UMA Video RAM
- **CRT:** Up to UXGA 1600 x 1200 @ 32bpp
- **LVDS:** Dual channel 110MHz (36-bit)
- **TTL:** Direct connection to TFT/DSTN panels (36-bit)
- **TV-out:** NTSC, PAL, NTSC-EIA (Japan), 640 x 480 resolutions

Environment and Power Consumption

- **Power Requirement (+5V only)/ 2.52A (MAX)**
10.4 Watt typical; (Intel Celeron 400MHz with 256MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Operative Humidity:** 0 ~ 90% relative humidity, non-condensing system

Mechanical

- **Dimension (L x W):** 114 x 95 mm (4.5" x 3.7")

Ordering Information

Standard

Em104P-i6023/C400
Intel ULV Celeron 400 PC104 board with CRT/LCD/TV-out,
Fast Ethernet x 2, 8 bit DIO

Related Products

Cable Kit

6910911000001

HS-5102

2631150982300, heatsink with fan

HS-5003

2631171002007, heatsink without fan

HS-5004

2631160981501, slim type heatsink without fan

SODIMM Modules

128MB 5150128001440

256MB 5150256001440

512MB 5150512001440