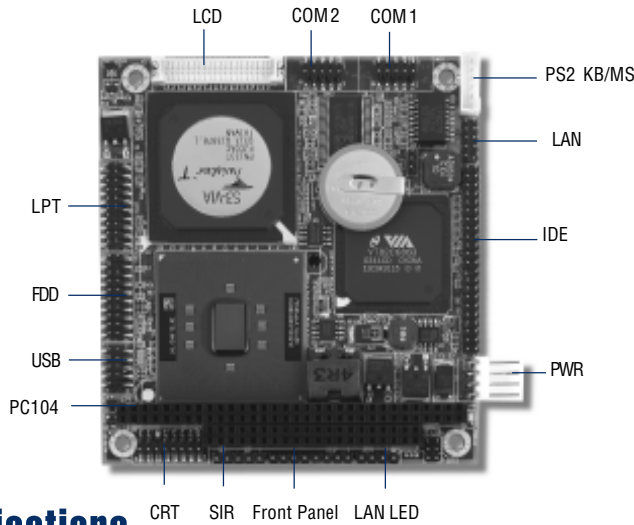


# Em104-i613

## Ultra Low Voltage Celeron PC/104 Module with Flat Panel / CRT & LAN



### Features



- ★ Intel ultra low voltage Celeron 400/650 MHz processor
- ★ 4x AGP, 3D VGA 18/24-bit LCD
- ★ LAN 10/100Mbps, RTL8100BL
- ★ One CompactFlash socket
- ★ Support Board ID# for software based security and protection

### Specifications

#### System

- **CPU:** Embedded Intel Ultra Low Voltage Mobile CPU
- **System Memory:** One 144-Pin SODIMM socket, up to Max. 512 MB
- **2nd Cache Memory:** CPU Integrated with 256K
- **Chipset:** VIA VT8606 chipset with VT82C686B
- **BIOS:** Award Flash BIOS Green & Multi-boot function
- **Expansion Interface:** PC/104
- **Watchdog Timer:** 1~127 level

#### Multiple I/O

- **Serial:** 1 high speed RS-232C port (COM1)  
1 high speed RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode, BIOS enabled/disabled
- **Enhanced IDE:** one port and up to 2 ATAPI devices, Ultra DMA transfer rates 33 MB/sec
- **Floppy:** 1 port up to 2 floppy disk drives
- **IrDA:** SIR IrDA 1.1 compliant
- **USB:** 2 USB V. 1.1 ports
- **KB/Mouse:** 6 pin box header for PS/2 keyboard and Mouse

#### LAN

- **Chipset:** Realtek RTL8100BL, 10/100 Mbps
- **Connector:** 10-pin onboard pin header

#### Display

- **Chipset:** VIA8606 Integrated Savage4 2D/3D Video Accelerator, 4x AGP and 128-bit engine
- **Display Memory:** 8/16/32 MB Shared Memory
- **Display Type:** Flat Panel and CRT displays
- **Resolution:** Up to 1280 x 1024 @ 32 bpp
- **LCD Interface:** Flat Panel 18/24-bit TFT/DSTN interface

#### Flash Disk

- Compact Flash socket Type I/II

#### Mechanical and Environment

- **Power Requirement:** +5 V @ 2.09A (max.); (Low Celeron 400MHz and 512MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** 0%~90%
- **Dimension (L x W):** 96 x 90mm (3.8" x 3.5")
- **Weight:** 0.11Kg (0.24 lb)

### Ordering Information

#### Standard

##### Em104-i613VL/C400

PC/104 Intel Celeron 400MHz with one SODIMM up to 512MB SDRAM, Flat Panel / CRT, Fast Ethernet

##### Em104-i613VL/C650

PC/104 Intel Celeron 650MHz with one SODIMM up to 512MB SDRAM, Flat Panel / CRT, Fast Ethernet