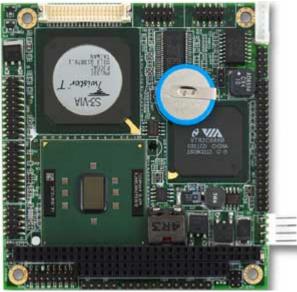


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Em104-i613



CPU: Intel Ultra Low Voltage Embedded Celeron 400 MHz or Celeron 650 MHz

Fanless 0 ~ 40°C (32 ~ 104° F) , or Fanned 0 ~ 60°C (32 ~ 140°F) operation

Network: Realtek RTL8100BL, 10/100 Mbps, Wake-On-LAN supported

Display Chipset: S3[®] Savage4[™]

Display: Flat Panel/CRT and TFT/DSTN LCD

The Em104-i613 utilizes an onboard Intel Ultra-Low Voltage Fanless Celeron 400 or 650Mhz CPU, along with the VIA Twister chipset, making the Em104-i613 one of the smallest and most powerful SBCs on the market. Unlike other high-end PC/104 SBCs, the Em104-i613 maintains the true PC/104 standard form-factor and does not require "wings". The Em-i613 gives developers a low power, high performing and scalable platform with superior graphics capabilities that can fit into the tightest places. PC/104- I/O expansion allows features to be quickly added using any one of EMAC's many PC/104 expansion modules. The Em104-i613 is perfect for applications such as military and industrial automation where uncompromised performance in a limited space is required. The Em104-i613 provides the quality features available on SBC boards several times its size. The VIA VT8606 TwisterTM North Bridge with integrated Savage4TM AGP 4X 3D Graphics core maintains excellent graphics performance and provides VGA/LCD support up to 1280 x 1024. SDRAM memory capacity up to 512MB is large enough to drive the latest operating systems, including Linux, RTAI Real-Time Linux, Microsoft Windows XP/XPE, Windows CE.net, Windows NTE, and DOS 6.22. A CompactFlash socket supports Type I/II CompactFlash Cards, which can be used to eliminate the use of fragile hard disks, increasing reliability in harsh environments. Two USB 1.1 ports are available as well as one parallel port (SPP/ECP modes) and 2 high speed serial ports (RS-232 and RS-232/422/485). With its industrial grade reliability, the Em104-i613 can operate continuously at temperatures up to 104° F (40° C) without a fan and up to 140° F (60° C) with a fan. The numerous features provide an ideal price/performance solution for high-end commercial and industrial applications where stability and reliability (no moving perta¹ are accentical.

Specifications SbC Type. EOL Single Board Computers Processor Processor. Intel® ULV Celeron[™] Clock Speed: 400 MHz Real Time Clock: Processor Misc.: Optional Processor : Celeron 650 MHz processor with FSB 100/133 MHz μBGA package

Chipset: VIA VT8606 Twister™ North Bridge with integrated Savage4™ AGP 4X Graphics core and VT82C686B "Super" Southbridge

BIOS/ Booloader: 2 MB AWARD® Flash BIOS Primary Flash: 1x CompactFlash[™] card Type I/II Memory Misc.: L2 Cache: Integrated on CPU (256 KB ~ 512 KB)

Primary I/O FDD Enhanced IDE (UDMA 33) Ethernet: RTL8100BL 802.3u 10/100 Ethernet USB: 2x USB 1.1 Serial Ports: 2x high-speed COM 1x RS-232C 1x RS-232C/422/485 16C550 compatible UART 16 byte FIFO Watchdog: Primary I/O Misc.: IrDA: Support SIR IrDA 1.1 compliant

Secondary I/O Keypad: PS/2: Analog on D/A: Dimensions 3.5×3.8 in Weight: 0.4 g Form Factor: PC/104

Power Requirements

5 V Typical Current: 2.1 A Typical Voltage: 5 V

Environmental Low Operating Temperature: 0 C High Operating Temperature: 60 C

Pricing Elv1104-1013/C400C EMCORE-I613 ULV CELERON 400 PC/104 SBC \$0.00 Parent Product:

EM104-I613/C650C EMCORE-I613 ULV CELERON 650 PC/104 SBC \$0.00 Parent Product:

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