

Published on EMAC Inc. (https://www.emacinc.com)

Source URL: https://www.emacinc.com/content/pca-6775

PCA-6775



VIA Mark 533MHz or 800MHz Fanless CPU

Supports CompactFlash

Optional SATA Interface

ISA Bus Expansion Interface

10/100BaseT Ethernet & optional Triple LAN

8 GPIO Lines

18-bit LCD & CRT interface

The PCA-6775 utilizes an onboard VIA 533 or 800 MHz Mark Fanless processor, which has an integrated VIA Twister chipset, making the PCA-6775 one of the smallest and powerful SBCs on the market. The PCA-6775 gives developers a low power, high performing and scalable platform with superior graphics capabilities that can fit into the tightest places. ISA Bus expansion allows features to be quickly added using any ISA Bus expansion module. The PCA-6775 is perfect for applications such as military and industrial automation where uncompromised performance in a limited space is required. The integrated Savage4[™] 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, or 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. Four USB 1.1 ports are available as well as one parallel port (SPP/EPP/ECP modes), one high-speed RS-232/485/422 serial port. With its industrial grade reliability, the PCA-6775 can operate continuously at temperatures up to 140° F (60° C) without a fan. The numerous features provide an ideal price/performance solution for high-end

Commercial and industrial applications where stability and reliability (no moving parts) are essential. Specifications ECL Single Board Computers Processor VIA Mark Fanless CPU Clock Speed: 533 MHz Real Time Clock: Processor Misc.: Optional Processor : VIA Mark 800MHz Fanless CPU with Integrated Video

Chipset: VIA VT8606

Memory Primary Prash: 1x CompactFlashTM card Type I Grino. 8x Digital Input/Output lines Disk Interface: 2x EIDE (Ultra DMA33/66/100) Audio: AC97 (line-in/Line-out/Mic-in) Ethernet: Realtek 8100 10/100 Base-T Fast Ethernet Serial Ports: 1x Parallel 1x RS-232 1x RS-232/422/485 Watchdog: Primary I/O Misc.: Infrared: 115 Kbps, IrDA 1.1 Compliant

L) Secondary I/O Keypad: PS/2: Analog on D/A: D/A: Dimensions 7.3 \times 4.8 in Form Factor: Half Size ISA Card Vonage. 5 V Typical Current: 1.64 A Typical Voltage: 5 V Max Boot Current: 2.2 A

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

PCA-6775 Mark 533 MHZ W/ LVDS, 128MB RAM \$0.00 PCA-6775F-Q PCA-6775 Mark 800 MHZ W/ LVDS, 3 LAN \$0.00 Parent Product:

PCA-67753F-Q PCA-6775 Mark 800 MHZ W/ LVDS \$0.00 Cables & Adapters: CAB-40-001-1 USB 2 port cable w/ mounting bracket \$11.00 Exension Modules: PCM-231A Audio Module \$0.00

Source URL: https://www.emacinc.com/content/pca-6775