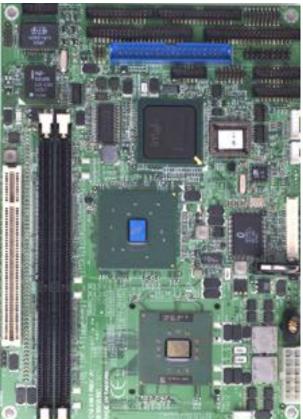


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PCM-9581



Embedded Celeron 600 MHz or Pentium® M @ 1.1 GHz, 1.6 GHz optional

Lower Cost Socketed SKt479w/855GME version available

- Fanless Celeron Operation
- High Performance, Low Power
- Supports Gigabit Ethernet (PCM-9581FG)
- Supports Embedded USB, 4 USB 2.0 ports
- Supports up to 36-bit LVDS interface
- Support ECC DDR Memory
- AC97 3D surround stereo sound

PCM-9581 is centered on a powerful Intel® Pentium® M or Celeron® M processor with Award® BIOS that supports enhanced Intel "SpeedStep" technology and uses Intel's 855GME and ICH4 I/O chipset. These chipsets are specifically for embedded computing and provide an optimized on-board integrated graphics solution. "SpeedStep" technology intelligently focuses system power where the CPU needs it and automatically regulates power usage to preserve battery life. The PCM-9581's design is based on the EBX form factor and provides support for PCI module expansion. The EBX form factor also provides a convenient connector layout for easy assembly, more efficient cable connections, and better overall embedded system integration. This compact unit (only 5.75" x 8") offers all the functions of a single board industrial computer, but still fits in the space of a 5.25" CD-ROM drive.On-board features include: four serial ports, one multimode parallel (ECP/EPP/SPP) port, four USB (Universal Serial Bus) 1.1/2.0 ports, an optional floppy drive controller, and a PS/2 keyboard/mouse interface. The built-in high-speed PCI IDE controller supports both PIO and UDMA/100 bus master modes. Up to four IDE devices can be connected, including large hard disks, CD-ROM drives, and tape backup drives.Highly Integrated Multimedia SBCThe PCM-9581 is a highly integrated multimedia SBC that combines audio, video, and network functions on a single computer board the size of a 5.25" CD-ROM drive. It provides an AC-97 interface and supports Line-in, Line-out, and MIC-in via optional PCM-232 audio module, and up to 2049 v 1526 resolution. The PCM-9581 also supports optional TV-out for NTSC/PAL multimedia applications. Sub type. ECI Cincels Board Computers Processor Processor Clock Speed: 1.1 GHz Real Time Clock: Processor Misc.:

Optional Processor : Embedded Intel Pentium M Processor 1.6 GHz w/64KB primary cache memory

L2 Cache: 1 MB on Pentium M processor

Chipset: System Chipset Intel 855GME GMCH/ICH4 Chipset 400MHz FSB

Memory Bios/ booiloader: AWARD 512 KB Flash BIOS Primary Flash: CompactFlashTM card Type I/II Grino. 8x GPIO Disk Interface: FDD 1x EIDE (Ultra DMA 100) Audio: ICH4 AC97 3D Line-in/Line-out/Mic-in USB: 4x USB 1.1/2.0 compliant Serial Ports: 3x RS-232 1x RS-232/422/485 Watchdog: Primary I/O Misc.: IrDA: 115 Kbps, IrDA 1.1 Compliant

Parallel Port: 1 Parallel Port supports SPP/EPP/ECP mode

Ethernet

Chipset:

- Intel® 82551ER 10/100 Base-T (PCM-9581F)
- Optional Intel® Gigabit 82551QM/82540EM (PCM-9581FG)

Interface:

- ° IEEE 802.3u 100 BASE-T Fast Ethernet comatible (PCM-9581F)
- IEEE 802.3z/ab 1000 BASE-T Gigabit Ethernet compatible (PCM-9581FG)

Display

Chipset: Intel 855GME, Supports a single 1.5 V Accelerated Graphics Port Interface

Memory Size: Optimized Shared Memory Architecture, supports 1MB/8 MB frame buffer using system memory

Resolution

- $^\circ\,$ CRT Mode: pixel resolution up to 1600 x 1200 at 85-Hz and 2048 x 1536 at 75-Hz
- \circ LCD Mode: Dual channel LVDS panel support up to UXGA panel resolution with frequency range from 25 MHz to 112 MHz

LVDS: Supports 2 Channel 36-bit (optionally up to 48-bit) LVDS interface

TV-Out: Supports both NTSC/PAL, S-video and Composite Video (requires optional cable)

Ll Secondary I/O Keypad: PS/2: Analog on A. D. D/A: Dimensions 5.7×8 in Weight: 0.85 oz Form Factor: Full EBX Power Requirements 5 V Typical Current: 3.8 mA Typical Voltage: 5 V Power Misc.: Power Supply Voltage: ATX, with Vcore 2 phase, +5 V power only can work Battery: Lithium 3 V/196 mAH

Environmental Low Operating Temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity: 90%

Pricing PCIVI-73031F-0 SKT479W/855GME SBC W/ VGA/ LCD/ LVDS/ LAN/ USB 2.0/ Audio \$0.00

Parent Product:

PCM-9581FG-0

SKT479W/855GME SBC W/ VGA/ LCD/ LVDS/ GIG LAN/ USB 2.0/ Audio \$0.00

Parent Product:

PCM-9581F-M Embedded Celeron 600MHZ 855GME SBC W/ VGA/ LCD/ LVDS/ LAN/ USB 2.0/ Audio \$0.00

Parent Product:

PCM-9581F-S4 LV Pentium M SBC W/ 1.4G CPU VGA/ LVDS/ LAN/ USB 2.0/ Audio \$0.00

Parent Product:

Cables & Adapters: CAB-40-001-1 USB 2 port cable w/ mounting bracket \$11.00 Displays: 1703050306 TV-OUT cable \$10.00

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