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PCM-6881



Embedded Intel® Pentium® M/Intel Celeron® M Processor

Fanless operation @ 0 ~ 60°C (Celeron M 600 MHz/Pentium 1.1 GHz)

400 MHz Front Side Bus

Supports up to 333 MHz ECC DDR SDRAM

1000Base-T Ethernet on board capable

Up to 2 Channel 48 bits LVDS for LCD

4 x USB 2.0 port

The PCM-6881 is EMAC'S latest low power consumption PCI Half Card solution featuring Intel® innovation. The PCI-6881 is centered on a powerful Intel Celeron/Pentium M processor that supports enhanced Intel "SpeedStep" technology and uses Intel's 855GME chipset. This chipset is ideal 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 minimize power consumption. The PCI-6881's design is based on the small Half-Size PCI Card form factor and provides support for PCI Card expansion through the use of a passive PCI backplane. EMAC can provide backplanes and enclosures for the PCI-6881. The Great Performance on Multimedia ApplicationsFor multimedia applications, the Mobile Intel® 955GME Express Chipset has the Intel® Graphics media Accelerator (Extreme Graphics 2) function built into the chipset. The high-end graphic capability of the PCM-6881 is ideal for KIOSK, Advertisement, Gaming and Information display applications. Versatile Dual-View CombinationsBesides LCD support, PCM-6881 also allows developers to show different content on CRT and LCD at the same time. It meets dual view demands as the most cost-effective display solution. A Wide Range of Expansion InterfacesPCM-6881 provides you with an endless array off-the-shelf expansion possibilities through the use of the standard PCI bus connector. By adopting versatile PCI Cards, you can extend your onboard features such as adding an additional LAN ports, COM

ports Data Acquisition ports. etc. Specifications SLC Type.
Processor
Embedded Fanless Intel Celeron M or Pentium M
Clock Speed:
1.6 GHz
Real Time Clock:
Processor Misc.:
L2 Cache: 512KB/1MB on Celeron M , 1MB/2MB on Pentium M
Chipset: Intel 855GME + ICH4
Memory Bios/ Boodloader:
AWARD 4Mbit Flash BIOS
Primary Flash:
1x CompactFlash TM card Type I/II
G. Primary I/O
8x GPIO
Disk Interface:
1x FDD
2x EIDE (Ultra DMA33/100)
Audio:
AC'97 (Line-in/Line-out/Mic-in)
Ethernet:
IEEE 802.3U/ 802.3z/ab 100/1000 Base-T RJ-45 82551ER
USB:
4x USB 2.0 compliant ports
Serial Ports:
3x RS-232
1x RS-232/422/485
Watchdog:
Secondary I/O
Keypad:
PS/2:
Analog on A.D.
D/A:
Dimensions Dimensions.
$7.3 \times 4.8 \text{ in}$
Weight:
0.27 kg
Form Factor:
Half Size PCI Card
Power Requirements

5 V

Typical Voltage:
5 V
Max Boot Current:
6 A
Power Misc.:
Power Management: APM 1.2 with ACPI support
Environmental
Environmental Low Operating Temperature:
0 C
High Operating Temperature:
60 C
Pricing PC1-00011
Pentium M Slot PC W 10/100 LAN, no CPU
\$0.00
Parent Product:
PCI-6881FG
Pentium M Slot PC W/ GB LAN, no CPU
\$0.00
Parent Product:
PCI-6881F-M
Celeron M 600MHZ Slot PC W/ 10/100 LAN
\$0.00
Parent Product:
PCI-6881F-S
Pentium M 1.1 GHZ Slot PC W/ 10/100 LAN
\$0.00
Parent Product:
Exension Modules:
PCM-231A
Audio Module
\$0.00
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Typical Current:

5.2 A