

PCM-9150



Intel® Pentium® M or Celeron® M Series Processors

36/18-bit LVDS TFT Panels

Two DDRII 400/533 SODIMM Modules Up to 2GB

Dual PCI-Express Gigabit LAN

5.1 CH AC-97 2.3 Codec with S/P DIF Function

One Mini PCI Socket and PCI Slot For Expansion

4 USB 2.0 and 4 COMs

GPIO Digital I/O

The PCM-9150 is EMAC'S latest low power consumption solution featuring Intel® innovation. It adopts Intel's® latest chipset - the Mobile Intel® 915GM Express Chipset, which has been validated with Intel® Pentium® M CPUs and the new PCI-Express interface. Therefore the PCM-9150's peripheral transmission speed has been greatly enhanced, especially on multi-port Gigabit LAN applications. For these kinds of applications, PCM-9150 has 2 Gigabit LAN ports onboard to satisfy high traffic firewall and small data server demands. The Great Performance on Multimedia Applications For multimedia applications, the Mobile Intel® 915GM Express Chipset has the Intel® Graphics media Accelerator (GMA900) function built into the chipset. The high-end graphic capability of the PCM-9150 is ideal for KIOSK, Advertisement, Gaming and Information display applications. Versatile Dual-View Combinations Besides LCD support, PCM-9150 also allows developers to show different content on CRT, LCD, DVI or TV at the same time. It meets dual view demands as the most cost-effective display solution. A Wide Range of Expansion Interfaces PCM-9150 promises you off-the-shelf expansion possibilities with versatile expansion interfaces-Mini PCI, PCI, and PCI-Express x1. By adopting versatile Mini PCI modules, you can extend your onboard features

such as adding a third LAN port, eight COM port, or a IEEE 1394 port. This is in addition to the on-board PCI slot.

Specifications

SLC type.

For Single Board Computers

Processor

Processor.

479 Intel Celeron/Pentium M

Clock Speed:

2.13 GHz

Real Time Clock:

Processor Misc.:

Chipset: Intel® 915GM + ICH6M

Memory

BIOS/ Bootloader:

Award Plug & Play BIOS - 512KB ROM

Primary Flash:

1x CompactFlash™ card Type I/II

Primary I/O

GPIO.

8x GPIO

Disk Interface:

1x FDD

1x EIDE (Ultra DMA 100)

Audio:

5.1 CH AC97 2.3 (Mic-in/Line-in/Line-out/CD-in)

Ethernet:

IEEE 802.3z/ab 1000 Base-T Gigabit Ethernet compatible Marvell 88E8053

USB:

4x USB 1.1/2.0 compliant

Serial Ports:

3x RS-232

1x RS-232/422/485

Watchdog:

Primary I/O Misc.:

I/O Chipset: ITE8712 + Fintek F81216D

IR port: One IrDA tx/rx header

Serial ATA: 2 Channels of SATA 150

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

SVGA / Flat Panel Interface

Video Chipset: Intel® 915GM + Chromtel 7307C

Display memory: Shared system memory up to 128MB with DVMT

Display type: VGA, LVDS

Resolution:

- CRT Modes: up to 1600 x 1200 @ 36bpp colors
- LCD/LVDS Modes: up to 1280 x 1024 @ 24bpp colors

TV-out: Supports NTSC and PAL standard, S-Terminal and Composite Video

Secondary I/O

Keypad:

PS/2:

Analog on
A/D.

D/A:

Dimensions

8 × 5.75 in

Weight:

0.5 kg

Form Factor:

Full EBX

Power Requirements

5 V

Power Misc.:

Power Management: APM 1.2, ACPI support

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Pricing

PCM-9150-0

Socket 479 Pentium-M/Celeron-M SBC W/GIG LAN

\$0.00

Wiring Kits:

PCM-A008

Installation Wiring Kit

\$0.00

Source URL: <https://www.emacinc.com/content/pcm-9150>