

PCM-9340



On-board 133 MHz STPC Elite processor (fanless)

On-board 32MB SDRAM

On-board VGA/LCD display controller and 36-bit LCD TFT display

62-level watchdog timer, jumperless on-line setup supported

Supports wake on LAN, wake on ring (modem)

Optional audio, SODIMM socket

Supports CMOS data backup functions

The new PCM-9340 is a 3.5" Half-EBX SBC with an on-board, embedded low power 133 MHz STPC Elite processor. Other on-board features include a VGA/LCD controller with 36-bit LCD TFT display and 10/100 Mbps PCI Ethernet interface. A PC/104 expansion connector is provided, as is optional SSD support for DOC 2000. 62 level watchdog timer and jumperless on-line setup is also supported. With this board, system engineers can upgrade from 386-based to 486-based systems or from a 486 system using EDO RAM to a 486-based systems using SDRAM. A 486 level STPC Elite processor is mounted directly on board, thus simplifying configuration and installation as no jumpers for speed or Voltage must be set. In addition to ease of configuration, the STPC Elite 133 MHz low-power CPU has been specially designed to work well in environments with temperatures of up to 60°C without need of a fan. Eliminating the CPU fan from a system significantly increases both MTBF and application possibilities.

Specifications

SLC type.
EMAC Single Board Computers
Processor
Processor.

Embedded low power STPC Elite

Clock Speed:

133 MHz

Real Time Clock:

Processor Misc.:

Chipset: STPC Elite 133 (on-chip)

Memory

BIOS/Bootloader:

2Mbit Flash BIOS supports Plug & Play APM

Primary Flash:

DiskOnChip 2000

Primary I/O

Disk interface:

1x FDD

1x EIDE

Ethernet:

IEEE 802.3u 100Base-T RJ-45 RTL8139C

Serial Ports:

3x RS-232

1x RS-232/422/485

1x Parallel SPP/EPP/ECP

Watchdog:

Primary I/O Misc.:

IR port: One 115 kbps IrDA compliant serial infrared

Display

Video Chipset: SMI LynxEM+ 712

Display memory: 2 MB on the chip

Display type: Simultaneous support for VGA and 36-bit TFT LCD display (supports 3.3 V LCD) Supports 3, 9,12,18, 24, 36-bit TFT and 16 or 24-bit DSTN Panel

Resolution:

- CRT Modes:

- 1280 x 1024@16bpp (60Hz)
- 1024 x 768@16bpp (85Hz)
- 800 x 600 @24bpp(85Hz)

- LCD/Simultaneous Modes:

- 1280 x 1024@16bpp (60Hz)
- 1024 x 768@16bpp (60Hz)
- 800 x 600 @24bpp(60Hz)

Secondary I/O

Keyboard:

Keypad:

PS/2:

Analog on
A/D.

D/A:

Dimensions
Dimensions:

4 × 5.75 in

Weight:

0.23 kg

Form Factor:

Half EBX

Power Requirements
Typical Current:

1.62 A

Typical Voltage:

5 V

Max Boot Current:

2 A

Power Misc.:

Power management: Supports APM

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Environmental Misc.:

Wide-temp Version: -20° to 80° C

Pricing
PCM-9340F

486 Elite W/ 32 MB RAM, LCD/CRT, LAN, & 4 COMS

\$0.00

Parent Product:

PCM-9340FZ

Wide temp version of PCM-9340F (min. order quantity: 30)

\$0.00

Parent Product: