

PCM-3348



On-board 133MHz STPC Consumer II processor (fanless)

On-Chip VGA/LCD display controller

On-board memory 64 MB

Award BIOS

62-level watchdog timer

Supports 10/100Base-T Ethernet

EMAC's new PC/104 module, the PCM-3348, has all the functions and power of a standard full-size PC, but in the form factor of an industry standard PC/104 (3.5 x 3.8 in., 90 x 96 mm.). This makes it one of the smallest, most complete SBCs on the market. Even though this module is so small, it still contains everything that a full-fledged computer does. This 486 based PC/104 CPU module has an on-board Video/LCD controller as well as 10/100Base-T Ethernet capability. The on-board LCD controller supports 36-bit video and has 2 MB display memory on chip. These features give our customers a complete, cost-effective board solution for applications that require network and Video or LCD panel support in a limited space environment. This module supports Watchdog timer protection. On board, there is 64 MB memory, four serial ports and one parallel port, plus one IDE connector, allowing for as much peripheral expansion as most much larger size SBCs. This board also supports one CompactFlash™ card for use as an emulated HDD. EMAC provides several size options for

CompactFlash™ cards up to over a Gigabyte of storage. Its on-board CPU is an STPC Consumer II 133Mhz from ST Thompson.

Specifications

SBC type:

EMAC Single Board Computers

Processor

Processor:

ST Consumer II

Clock Speed:

133 MHz

Real Time Clock:

Memory

BIOS/ Bootloader:

Award KB Flash BIOS

Primary Flash:

1x CompactFlash™ card

Primary I/O
Disk Interface.

1x FDD

1x IDE

Ethernet:

10/100Base-T RTL8100

Serial Ports:

3x RS-232

1x RS-232/422/485

1x Parallel

Watchdog:

Primary I/O Misc.:

Infrared: One 4 Mbps FIR (Fast Infrared) Port.

Display

Consumer II on-chip VGA /LCD.

Secondary I/O
LPT Port.

Keypad:

PS/2:

Analog on
A/D.

D/A:

Dimensions
Dimensions.

3.8 × 3.5 in

Weight:

0.11 kg

Form Factor:

PC/104

Power Requirements
Voltage.

5 V

Typical Current:

1.7 A

Typical Voltage:

5 V

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

70 C

Pricing
PC/104-3343F

Consumer II 133 MHZ, 64MB, LCD & LAN

\$0.00

Parent Product:

Source URL: <https://www.emacinc.com/content/pcm-3348>