PCM-4862

486 SBC with VGA/LCD, Ethernet and SSD

128 KB cache
80486 CPU
10Base-2/5
Ethernet 10Base-T
Keyboard/mouse
Power connector
Up to 64 MB
VIA chipset
1.44 MB SSD or DOC
FDD
EIDE interface
LCD controller
Award BIOS
Parallel port
CRT display connectors
512 KB VGA
PC/104 connector
COM1 RS-232
Flat panel display connectors
COM2 RS-232/422/485

CE FCC
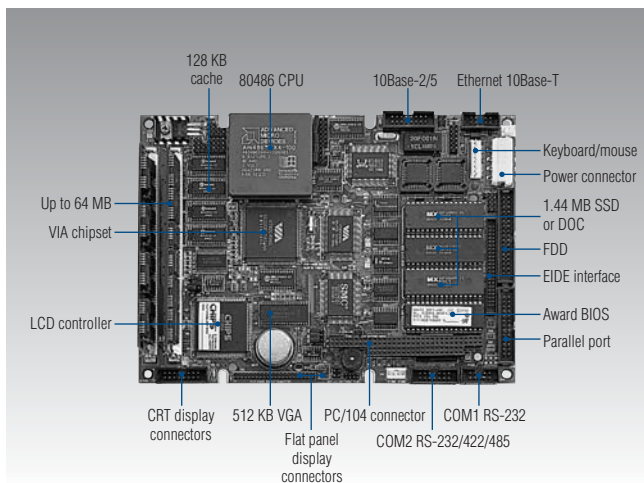
Features

- 10Base-T Ethernet
- 24-bit LCD interface
- Versatile SSD
- Supports CT65545

Specifications

- **CPU** — Socket 7 for DX4-100 or DX5-133 CPU
- **System Memory** — EDO/FPM SIMM x 2, Max. 64 MB
- **2nd Cache Memory** — On board 128 KB
- **System Chipset** — VIA VT82C496G//82C416
- **BIOS** — AWARD 128 KB Flash BIOS
- **SSD** — Supports DiskOnChip
- **Watchdog Timer** — 1 - 62 sec. 62 level timer intervals, system reset or IRQ11
- **Expansion Interface** — PC/104
- **Battery** — Lithium 3 V/196 mAH

I/O

- **MIO** — 1 x EIDE, 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT

Ethernet

- **Chipset** — RealTek RTL8019A
- **Interface** — IEEE 802.3i 10Base-T Ethernet compatible
  Built-in boot ROM in Flash BIOS

Display

- **Chipset** — Asiliant (C&T) 65545
- **Memory Size** — 512 KB (optional 1 MB)
- **Resolution** — Up to 1024 x 768 @ 16 colors non-interlaced CRT and 640 x 480 @ 256 colors LCD (512 KB VRAM)
- **LCD Interface** — Up to 24-bit TTL for STN/DSTN/TFT LCD

Mechanical and Environmental

- **Dimensions (L x W)** — 203 x 146 mm (8" x 5.75")
- **Power supply Voltage** — +5 V ± 5%
  Max.   : 4 A @ +5 V
  Typical: 2 A @ +5 V(with 32 MB DRAM, AMD DX5-133)
- **Operating temperature** — 0 ~ 60°C (32~140° F)
- **Operating Humidity** — 0% ~ 90% Relative Humidity, noncondensing
- **Weight** — 0.3 kg (weight of total package)

Packing List

- **1 PCM-4862 SBC**
- **1 Mini Jumper pack [count.: 10 pcs]**   (p/n: 9689000002)
- **Startup manual**
- **Utility CD**

Ordering Information

Standard

- **PCM-4862-00A3** — 486 SBC with VGA/LCD, Ethernet and SSD
- **PCM-4862-01A3** — same as PCM-4862-00A3, but with 1 MB VGA

Optional

- **PCM-10586-1000** — PCM-4862 wiring kit
- **MBPC-300-4862** — MicroBox 5.25" Biscuit SBC chassis for PCM-4862
- **PS-55A** — 55 W AC power supply for MBPC-300
- **1961000100** — Heatsink only for 486 CPU
- **1759202300** — 486 CPU fan with heatsink