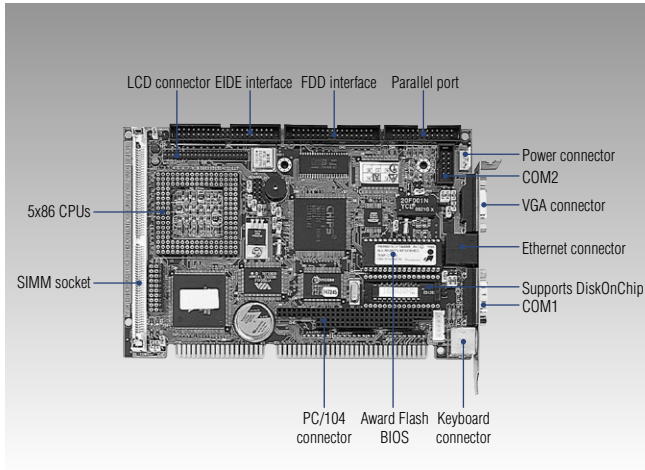


# PCA-6145

ISA 486 Slot-PC SBC, with VGA/LCD/LAN/DOC and PC/104



## Features

- Onboard VGA & LCD displays
- PC/104 connector
- Onboard Ethernet
- Supports DiskOnChip® SSD Solution
- 1 ~ 62 sec. Watchdog timer

## Specifications

### General

- **CPU** Supports Intel® 80486 DX/DX2/DX4, AMD 80486 DX2/DX4
- **2nd Cache Memory** 128 KB SRAM
- **System Chipset** VIA VT82C496G
- **BIOS** AWARD 1Mbit
- **System Memory** FPM/EDO SIMM x 1, Max. 32 MB
- **Power Management** APM 1.1
- **SSD** DiskOnChip®
- **Watch Dog Timer** 1 ~ 62 sec. System reset or IRQ15
- **Expansion Interface** 1 x 16-bit ISA slot, 1x PC/104 connector
- **Battery** Lithium battery

### I/O

- **I/O Interface** 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
- **USB** N/A
- **Audio** N/A
- **IrDA** N/A
- **GPIO** N/A
- **I/O Expansion** PC104, ISA

### Ethernet

- **Chipset** UMC UM9008 (PCA-6145B only) built-in 8 k x 16 SRAM
- **Speed** 10/100Base-T
- **Interface** RJ-45
- **Standard** NE-1000 and NE-2000
- **Boot ROM** Build-in system BIOS (optional)

### Display

- **Chipset** Asilient (C & T) 65550
- **Memory Size** 1MB
- **Resolution** CRT mode: 1024 x 768 @ 8 bpp (non-interlaced), 800 x 600 @ 8 bpp, 640 x 480 @ 8 bpp  
LCD mode: 640 x 480 @ 16 bpp
- **LCD Interface** 16-bit TTL for Mono/STN/TFT LCD
- **LVDS Interface** N/A
- **TV-Out** N/A
- **Dual Independent Display** N/A

### Mechanical and Environmental

- **Dimension (L x W)** 185 x 122 mm (7.3" x 4.8")
- **Weight** 0.27 kg (weight of total package)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F), operation
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing
- **Power Supply Voltage** +5 V ± 5%
- **Power Consumption** Max : 5 V @ 3 A  
Typical : 5 V @ 1.8 A (w/ AMD 5x86-P75, 16 MB DRAM)

## Packing List

- 1 x PCA-6145 SBC
- 1 x Y cable for PS/2 Keyboard, PS/2 Mouse (p/n:1700060202)
- 1 x E-IDE (HDD) Cable (500 mm) (p/n:1701400601)
- 1 x FDD Cable (290 mm) (p/n:1701340700)
- 1 x COM2 & Parallel port cable kit (p/n:1701260303)
- Mini jumper (p/n:1653300100)
- 1 x Startup manual
- 1 x Utility CD

## Ordering Information

### Standard

- **PCA-6145B-00C2** ISA 486 Slot SBC. VGA /LCD/ Ethernet/DOC/PC104
- **PCA-6145L-00C2** ISA 486 Slot SBC. VGA /LCD/DOC/PC104

### Optional Accessories

- **MBPC-641** 4-slot IPC chassis w/backplane & 65 W power supply
- **IPC-644-80** 4-slot IPC chassis w/backplane & 80 W power supply
- **IPC-6806S** 6-slot IPC chassis w/backplane & 100 W power supply
- **PCA-6114-B** 14-slot ISA passive backplane
- **PCA-6108-0B1** 8-slot ISA passive backplane
- **PCA-6106-B** 6-slot ISA passive backplane
- **PCA-6104-0C1** 4-slot ISA passive backplane
- **P-MP48100AITLB1** Intel 486 DX4-100 CPU
- **1759202300** 486 CPU cooling fan with heatsink