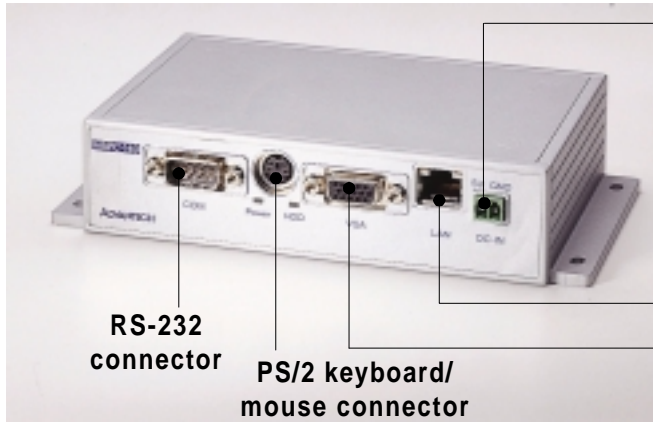


MBPC-140

486 MicroBox PC with VGA/LAN



RS-232
connector

PS/2 keyboard/
mouse connector

Power connector

Ethernet 10/100Base-T
connector

CRT display
connector

Features

- 486-66 MHz on board
- 32 MB RAM on board
- CompactFlash™ disk
- VGA display
- 10/100Base-T Ethernet
- One RS-232 port
- PS/2 keyboard/mouse
- Watchdog timer
- Single 5 V input

Introduction

Advantech's new MicroBox PC, the MBPC-140, is truly an all-in-one 486 processor-based controller. It comes equipped with 32 MB DRAM, a DB-15 SVGA interface which supports CRT monitors with up to 4 MB display memory, a 10/100Base-T Ethernet interface, a DB-9 RS-232 serial port, and a Phoenix connector for DC 5 V power input.

In addition, the MBPC-140 is equipped with a CompactFlash™ solid state disk socket which functions as an emulated hard disk. With its industrial grade reliability, the MBPC-140 can operate continuously at temperatures up to 60° C (140° F). This compact unit offers all these functions within a hand-sized chassis, measuring merely 142 x 36 x 94 mm. The MBPC-140 can be either wall- or DIN-rail mounted. These numerous features provide an ideal price/performance solution for commercial and industrial applications where reliability and stability are essential.

The MBPC-140 is compact, highly integrated and easy to maintain and install. These features make it ideal for applications such as **small industrial controllers, security systems, Internet gateways, web servers, laboratory instruments, building automation**, and so on.

Specifications

General

- **CPU:** 486, 66 MHz
- **On-card cache:** 8 KB
- **BIOS:** Award 256 KB Flash BIOS
- **RAM memory:** 32 MB EDO RAM on board

- **Solid state disk:**
Supports one CompactFlash™ card as an emulated HDD
- **VGA with 64-bit Windows accelerator:**
 - Display memory:
4 MB share memory architecture (UMA structure)
 - Display resolution:
1280 x 1024 @ 64 K colors, 1024 x 768 @ 16 M colors
 - DB-15 VGA connector
- **10/100Base-T Ethernet interface controller:**
RTL-8139, 10 Mbps/100 Mbps RJ-45 connector
- **Serial ports:** One DB-9 COM1 for RS-232
- **Keyboard and PS/2 mouse:**
Supports standard PC/AT keyboard and PS/2 mouse
- **Power connector:**
 - 2-pin Phoenix connector
 - 5 V DC single power supply

Mechanical and environmental

- **Power supply voltage:** +5 V (4.75 V ~ 5.25 V)
- **Max. power requirements:** +5 V @ 1.6 A
- **Operating temperature:** 0 ~ 60° C (32 ~ 140° F)
- **Size (W x H x D):** 142 x 36 x 94 mm
- **Weight:** 0.4 kg (0.89 lb)

Ordering Information

- **MBPC-140-0000:** 486 MicroBox PC with VGA/LAN