MBPC-400 Micro boxes Series

MicroBox 5.25" Biscuit SBC Chassis and Power Supply

CE FCC UL

Key Features

- Built-in power supply
- PC-104 card extension x 2 or PCI slot card x 1 plus PC-104 card x 1
- 2.5" HDD drive bay x 1
- DRAM and HDD is easy accessible.
- 6 cm x 6 cm system cooling Fan
- 2U height for Rack installation
- I/O Windows for easy and quick Customized I/O extension, such as IR, FDD, LPT

Introduction

The MBPC-400 Micro PC chassis is an ideal case for system integration; it can accept Advantech's 5.25" Biscuit CPU boards with the best flexibility, offering potential extension with PCI interface cards and PC-104 extension cards. Its compact size allows it to be mounted in equipment such as an embedded PC controller.

Specifications

Power Supply

Part Number	1757208000	1757000034	1757218000
Power Rating	80 W	180 W	180 W
Input Voltage	100 - 240 V_{AC}	100 ~ 240 V_{AC}	100 ~ 240 V_{AC}
Input Frequency	47 ~ 63 Hz	47 ~ 63 Hz	47 ~ 63 Hz
Output Voltage	5 V @ 16 A 12 V @ 1.5 A	3.3 V @ Max. 16.8 A +5 V @ Max. 12 A +12 V @ Max. 10 A -12 V @ Max. 0.8 A +5 VSB @ Max. 2.0 A	3.3 V @ Max. 16.8 A +5 V @ Max. 12 A +12 V @ Max. 10 A -12 V @ Max. 0.8 A +5 VSB @ Max. 2.0 A
Temperature	0 ~ 50 °C	0 ~ 50 °C	0 ~ 50 °C
Operation Humidity	10% ~ 95%	5% ~ 95%	5% ~ 95%
Safety	UL, CE Certificated	UL, CE Certificated	UL, CE Certificated
Supported Model	MBPC-400-COMM MBPC-400-9577FG MBPC-400-9576 MBPC-400-9578F MBPC-400-9579F	MBPC-400-9580F	MBPC-400-9581F

Chassis Specification

- **Mechanical Dmension**   290 W x 220 D x 90 H mm
- **Weight**   2.5 kg.

Ordering Information

- MBPC-400-COMM normally contains the main chassis kit, power supply, Fan, harness connector for Com x 4, VGA x 1, Printer x 1, USB x 1 and a small I/O board For LAN and KB/Mouse, and an accessory package for HDD harness, screws and an identification sticker for each I/O port desription.
- All special connections are additionally customized through the I/O windows. Please refer to the product specifications of SBC series for more extensions.
- Optional support for DC power supply is available for selected models by special OEM ordering.
- Refer to SBC catalogue description for more versatile extension and application.

Chassis kit Ordering No	Mating SBC boards
▪ **MBPC-400-COMM**	PCM-9550F-F0A1 PCM-9575F-J0A1 / M0A1 / Q0A1 PCM-9575F-00A1
▪ **MBPC-400-9576**	PCM-9576FV-03A1with daughter board PCM-203 (LAN x 3, DIN x 2) assembled
▪ **MBPC-400-9577FG**	PCM-9577FG with Gigabit Ethernet cable kit
▪ **MBPC-400-9578F**	PCM-9578F-04A1
▪ **MBPC-400-9579F**	PCM-9579F-J0A1/M0A1/R0A1
▪ **MBPC-400-9580F**	PCM-9580F-00A1
▪ **MBPC-400-9581F**	PCM-9581F-00A1

Optional Ordering No	Description
▪ **PCM-110-00A3**	Riser card for extension of one PCI slot
▪ **PCM-120-00A3**	Riser card for extension of two PCI slots

Dimensions

Unit: mm