# EBPC-3500

## Embedded Industrial Chassis for 3.5" SBCs

**NEW**

## Features

- Built-in DC-to-DC power supply, accepts DC 12 V ~ 24 V power input source, and ATX
- One PC/104 or PCI-104 or MIO card expansion
- Supports one 2.5" HDD bay with anti-vibration design
- Easy installation of HDD and DRAM
- Built-in maximum I/O ports on the front, and optional video ports on the rear
- Reserved, pre-punched I/O ports on the modular design I/O Metal Plate for quick and convenient customized I/O extension
- Compact, robust construction
- Simple and modularized service-friendly design

CE

## Specifications

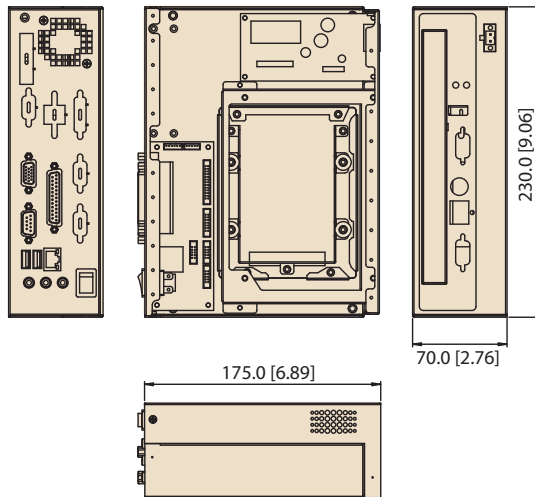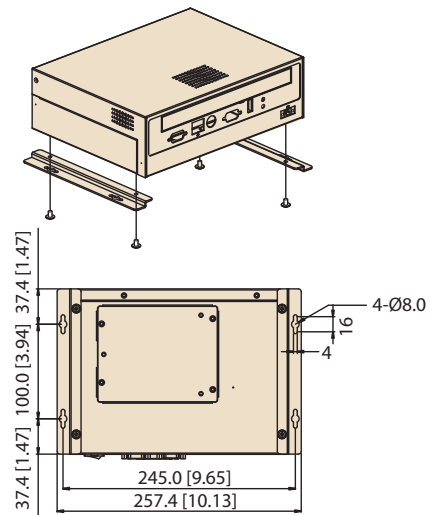| | | Front -accessible | Internal |
|---|---|---|---|
| Drive Bay | 2.5" | - | 1 |
| | Compact Flash | - | 1 |
| Cooling | Fan | 1 (11.4 CFM) | |
| I/O Interface | Front I/O Ports | 1 x COM, 1 x LAN, 1 x Mini DIN PS/2, 1 x VGA (1 x USB for EBPC-3500-80CE) | |
| | Rear I/O Ports | Build -in: 1 x Parallel, 1 x DIO, 1 x COM, 1 x LAN, 2 x USB, 1 x Line in, 1 x Line out, 1 x Mic in<br>Reserved: 1 x DVI, 2 x USB, 2 x COM; 1 x LVDS + 1 x Inverter for the optional display module kit. | |
| Misellaneous | Notification LEDs | Power & HDD activity; LAN link and LAN activity for EBPC-3500-80CE only | |
| | Control | Power switch & system reset button | |
| | | Operating | Non-operating |
| Environment | Temperature | 0 ~ 45° C (32 ~ 104° F) | -20 ~ 60° C (-4 ~ 140° F) |
| | Humidity | 10 ~ 85% @ 40° C, non-condensing | 10 ~ 95% @ 40° C, non-condensing |
| | Vibration (5 - 500 Hz) | 1 Grms | 2 G |
| | Shock | 10 G (with 11 ms duration, half sine wave) | 30 G |
| Physical Characteristics | Weight | 1.6 kg (3.52 lb) | |
| | Dimension (W x H x D) | 230 x 70 x 175 mm (9.1" x 2.8" x 6.9") | |
| Power Supply | Output Rating | 46 W | |
| | Power Input Connector | 4-pole Phoenix DC power connector | |
| | Input Voltage | 12 Vdc @ 4.5 A; 16 Vdc @ 3.4 A<br>19 Vdc @ 2.9 A; 24 Vdc @ 2.3 A | |
| | Output | +5 Vdc @ 7 A; +12 Vdc @ 0.5 A<br>+5 Vsb @ 1 A | |

## Front View of EBPC-3500-75CE

LAN with link & activity LEDs

## Front View of EBPC-3500-80CE

One USB

## Dimensions

Unit: mm (inch)



230.0 [9.06]
70.0 [2.76]
175.0 [6.89]

## Installation

Unit: mm (inch)



4-Ø8.0
16
4
37.4 [1.47]  37.4 [1.47]
100.0 [3.94]
37.4 [1.47]
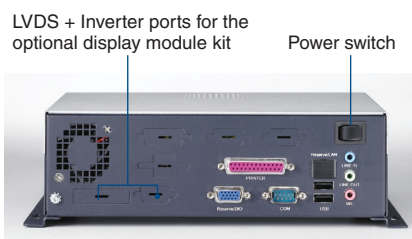245.0 [9.65]
257.4 [10.13]

## Accessories

| Part Number | Description |
|---|---|
| 9896025602E | Display module kit for EBPC-3500-75CE, including 1 x LVDS, 1 x Inverter and wiring cables. |
| 9896025603E | Display module kit for EBPC-3500-80CE, including 1 x LVDS, 1 x inverter and wiring cables. |
| 1700060202 | 1 x PS/2 Keyboard/Mouse Cable |

**External AC-to-DC Adapter and Power Cord**

| Part Number | Description |
|---|---|
| 1757000222 | AC-to-DC Adapter DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 ~ 45° C for Home and Office Use |
| 1700001947 | Power cord 2-pin 180 cm, USA type |
| 1700001948 | Power cord 2-pin 180 cm, Europe Type |
| 1700001949 | Power cord 2-pin 180 cm, UK Type |

## Ordering Information

| Part Number | Power Board | 3.5" SBC | Regulation |
|---|---|---|---|
| EBPC-3500-75CE | 9898025700E | PCM-9375E | CE |
| EBPC-3500-80CE | 9898025700E | PCM-9380/9381/ 9386/9387 | CE |

\* The necessary cables for the built-in I/O board are included in the accessory box.

## Inside View



## Rear View

LVDS + Inverter ports for the optional display module kit

Power switch



## Bottom View



Bottom cover for accessing the 2.5" HDD