ZEBRONICS ZEB-DEBONAIR

Zebronics Debonair Computer Chassis User Manual

Model: ZEB-DEBONAIR

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1. INTRODUCTION

Thank you for choosing the Zebronics Debonair Computer Chassis. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new computer case. Please read this manual thoroughly before beginning assembly to ensure optimal performance and longevity of your system components.

Figure 1: Zebronics Debonair Mini Tower Chassis. This image displays the exterior of the black mini tower computer case, highlighting its compact design.

2. PRODUCT FEATURES

The Zebronics Debonair chassis is designed for compact and efficient PC builds, offering a balance of space-saving design and component compatibility.

- **Motherboard Support:** Compatible with Micro ATX and Mini ITX motherboards.
- **Connectivity:** Features 2x USB ports and a front audio jack for convenient peripheral access.
- **Drive Support:** Accommodates 2x 3.5" HDDs and 2x 2.5" SSDs for flexible storage options.

- **Ventilation:** Includes space for an 80mm/90mm rear fan (optional) to enhance airflow.
- **VGA Card Support:** Supports VGA cards up to 240mm in length.
- **Expansion Slots:** Equipped with 4 expansion slots for additional components.
- **Top-Mounted PSU:** Designed for a top-mounted power supply unit.

2.1 Motherboard and VGA Card Compatibility

Mini Tower Chassis

Compact enough to save desk space, yet thoughtfully designed to make building and upgrading simple and stress-free

Figure 2: Internal view highlighting motherboard and VGA card areas. This image shows the internal layout, indicating the designated areas for Micro ATX / Mini ITX motherboards and VGA cards up to 240mm.

2.2 Drive Support

Micro ATX / Mini ITX

Supports Micro ATX and Mini ITX builds with ample space for graphics cards, giving you flexibility for performance-focused setups

Micro ATX / Mini ITX

VGA 250mm Max.

Figure 3: Internal view illustrating drive mounting options. This image details the locations for installing 1x 3.5" HDD, 1x 2.5" SSD, and an additional 1x 2.5" SSD or 1x 3.5" HDD.

2.3 Cooling and Expansion

Drive Support

Multiple drive mounting options let you combine fast SSDs with high-capacity HDDs for smoother multitasking and storage expansion

1 x 3.5 HDD

1 x 2.5 SSD

1 x 3.5 HDD
or
1 x 2.5 SSD

Figure 4: Internal view showing PSU, rear fan, and expansion slots. This image highlights the top-mounted PSU area, the optional 80x90mm rear cooling fan mount, and the 4 expansion slots.

2.4 Front Panel Ports and Controls

Cooling Fans / 4 Expansion Slots

Designed to support efficient airflow and expansion slots, helping your system stay cooler and ready for future upgrades

Power Supply

80 x 90mm Rear Fan (Optional)

4x Expansion Slot

Figure 5: Close-up of the front panel. This image details the Power Button, Reset Button, LED Indicator, USB Ports, Microphone Input, and Headphone Output.

2.5 Dimensions

Ports & Connectivity

Well-placed front ports and controls make daily use more convenient, keeping essential connections right within reach

Power Button

Restart

LED Indicator
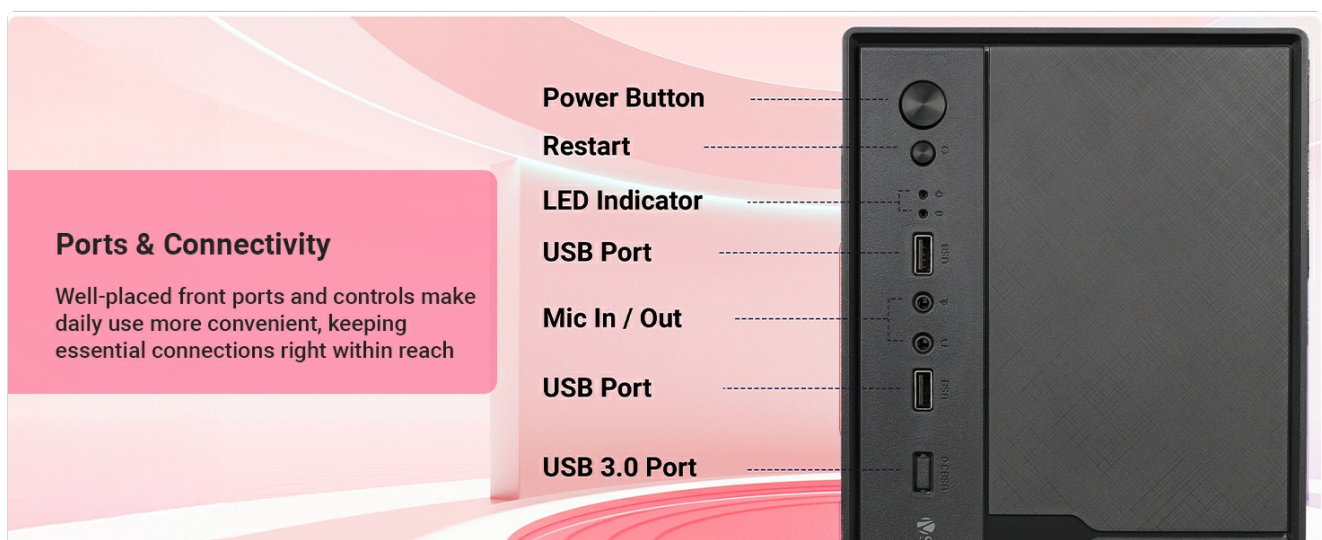
USB Port

Mic In / Out

USB Port

USB 3.0 Port

Figure 6: Chassis dimensions. This image provides the height (35 cm), width (16 cm), and depth (26 cm) of the Zebronics Debonair chassis.

3. Setup and Installation

Before beginning installation, ensure you have all necessary components and tools. Always handle components with care and consider using an anti-static wrist strap to prevent electrostatic discharge (ESD).

1. **Prepare the Chassis:** Remove the side panels of the chassis. Typically, these are secured with thumbscrews at the rear.

2. **Install the Motherboard:**

   - Install the I/O shield into the rear opening of the chassis.
   - Align the motherboard with the standoffs inside the chassis. Ensure the standoffs match the motherboard's form factor (Micro ATX or Mini ITX).
   - Secure the motherboard with screws. Do not overtighten.

3. **Install the Power Supply Unit (PSU):**

   - Mount the PSU in the designated top-mounted area.
   - Secure the PSU with screws from the rear of the chassis.
   - Route the PSU cables through the chassis to their respective components.

4. **Install Storage Drives:**

   - Install 3.5" HDDs into the drive bays and secure them with screws.
   - Install 2.5" SSDs into their designated mounting points and secure them.
   - Connect SATA data and power cables to the drives.

5. **Install Expansion Cards (e.g., VGA Card):**

   - Remove the necessary expansion slot covers from the rear of the chassis.
   - Insert the VGA card (or other expansion card) into the appropriate PCIe slot on the motherboard.
   - Secure the card with a screw or retention clip.
   - Connect any required power cables to the VGA card.

6. **Connect Front Panel Cables:**

   - Connect the front panel USB, audio, power switch, reset switch, and LED indicator cables to the corresponding headers on the motherboard. Refer to your motherboard manual for header locations.

7. **Cable Management:** Route cables neatly to improve airflow and aesthetics.

8. **Close the Chassis:** Reattach the side panels and secure them with thumbscrews.

4. Operation

Once all components are installed and connected, your computer system is ready for operation.

- **Power On:** Press the Power Button located on the front panel to turn on your computer. The LED indicator will illuminate.

- **Reset:** If your system becomes unresponsive, press the Reset Button on the front panel to restart the computer.

- **USB Ports:** Use the front USB ports to connect peripherals such as keyboards, mice, external drives, or USB flash drives.

- **Audio Jacks:** Connect headphones or a microphone to the front audio jacks for convenient audio input/output.

5. Maintenance

Regular maintenance helps ensure optimal performance and extends the lifespan of your computer components.

- **Dust Cleaning:** Periodically clean dust from the interior of the chassis, especially from fan blades and ventilation areas. Use compressed air or a soft brush. Ensure the system is powered off and unplugged before cleaning.
- **Cable Management:** Ensure cables remain neatly organized to prevent obstruction of airflow.
- **Ventilation:** Keep the chassis's ventilation openings clear of obstructions to allow for proper airflow.

6. Troubleshooting

This section addresses common issues you might encounter during setup or operation.

Problem	Possible Cause	Solution
Computer does not power on.	- Power cable not connected. - PSU switch off. - Front panel power switch cable incorrectly connected.	- Ensure power cable is securely plugged into PSU and wall outlet. - Check if the PSU's main switch is in the 'ON' position. - Verify the front panel power switch cable is correctly connected to the motherboard header.
No display output.	- VGA card not seated correctly. - Monitor cable not connected. - VGA card power cable not connected.	- Reseat the VGA card firmly in its PCIe slot. - Ensure the monitor cable is securely connected to both the VGA card and the monitor. - Verify all necessary power cables are connected to the VGA card from the PSU.
Front USB ports not working.	Front panel USB cable not connected to motherboard.	Check that the front panel USB cable is properly connected to the USB header on the motherboard.

7. Specifications

Feature	Detail
Brand	ZEBRONICS
Model Number	ZEB-DEBONAIR
Motherboard Compatibility	Micro ATX, Mini ITX
Case Type	Mini-Tower
Dimensions (LxWxH)	19 x 38 x 30 Centimeters
Item Weight	1.4 kg
USB 3.0 Ports	2
Drive Bays	2x 3.5" HDD, 2x 2.5" SSD
VGA Card Length Support	Up to 240mm

Feature	Detail
Rear Fan Support	80mm/90mm (Optional)
Expansion Slots	4
PSU Mounting	Top-Mounted

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Zebronics website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.
Official Website: www.zebronics.com
Note: Warranty terms and conditions may vary by region.