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› Thermaltake Tower 600 Mid Tower Instruction Manual

Thermaltake CA-1Z1-00MOWN-00

Thermaltake Tower 600 Mid Tower Instruction Manual

Model: CA-1Z1-00MOWN-00

INTRODUCTION

The Thermaltake Tower 600 ATX Mid Tower chassis is designed to accommodate full ATX builds with an octagon-style form factor. This chassis supports hidden connector ATX motherboards for streamlined cable management and offers extensive compatibility for components such as GPUs up to 400mm in length and radiators up to 420mm. It comes equipped with two 140mm CT fans pre-installed at the top for exhaust.



Overview of the Thermaltake Tower 600 Light-Year Green Mid Tower Chassis, highlighting its octagonal prism shape and ATX compatibility.

SETUP

Chassis Overview

Familiarize yourself with the exterior and interior layout of the Tower 600 chassis before beginning assembly.



Front view of the Tower 600 chassis, showcasing its clear front panel.



Side view of the Tower 600 chassis, highlighting the tempered glass side panel.



Rear view of the Tower 600 chassis, showing the exhaust fan mount and PCIe slots.



Internal view of the Tower 600 chassis, illustrating the spacious interior for component installation.

Tool-Free Panel Access

The Tower 600 features three 3mm tempered glass panels on the front and two perforated panels on each side, all designed for tool-free removal to facilitate easy access during installation and maintenance.



Illustration of the tool-free removable panels for convenient access to the chassis interior.

Hidden Connector Motherboard Support

This chassis is designed to support next-generation hidden connector ATX motherboards (e.g., ASUS BTF, MSI PROJECT ZERO, GIGABYTE PROJECT STEALTH Series). Extra cutouts and two removable panels on the left and right sides of the rear chamber allow for clean cable routing and a tidier build.

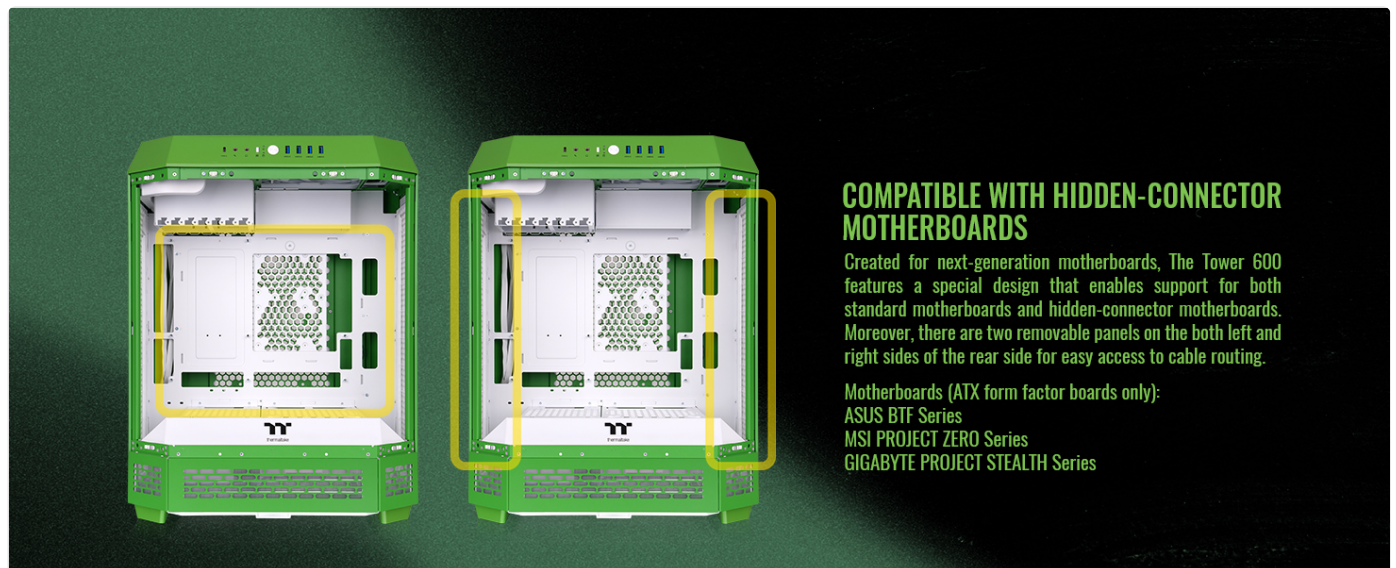


Diagram showing the internal layout optimized for hidden connector motherboards, enabling cleaner cable management.

Dismantlable Modular Design (DMD)

The Tower 600 features a Dismantlable Modular Design, allowing for easy disassembly of components for simplified installation and maintenance.



HANDY I/O PORTS

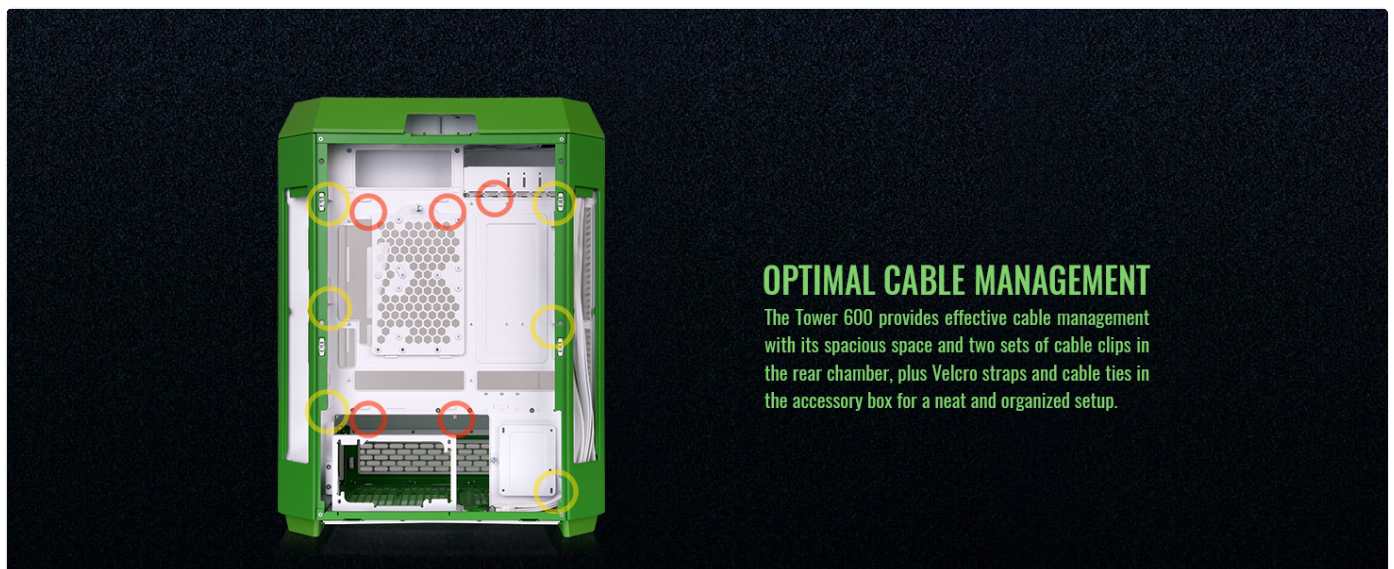
Top-located I/O ports consist of following functions:

- Power Button with Integrated Power LED (White)
- HDD LED (Red)
- USB 3.0 Type-A x 4
- USB 3.2 Gen 2 Type-C x 1
- HD Audio

Exploded view of the Tower 600, demonstrating its modular design for easy assembly and disassembly.

Easy Installation

Installation is simplified thanks to removable fan brackets and ample space for components. The chassis supports various radiator and fan configurations.



OPTIMAL CABLE MANAGEMENT

The Tower 600 provides effective cable management with its spacious space and two sets of cable clips in the rear chamber, plus Velcro straps and cable ties in the accessory box for a neat and organized setup.

Visual representation of the easy installation process, highlighting removable brackets and accessible areas.

Optimal Cable Management

The Tower 600 provides effective cable management with spacious rear chamber, cable clips, Velcro straps, and cable ties included in the accessory box for a neat and organized setup.

INTAKE AND EXHAUST

Featuring a vertical chassis design, The Tower 600 still has well-designed cold air intakes and hot air exhausts to keep the internal temperature low at all times.

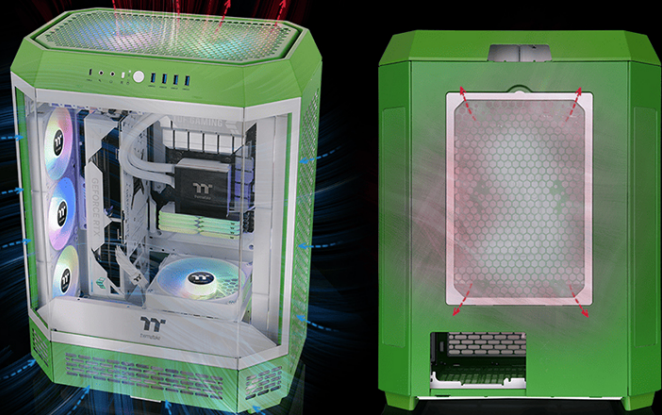


Diagram illustrating the designated cable routing points and clips for optimal cable management within the chassis.

OPERATING

Cooling Solution

The Tower 600 is designed for excellent thermal performance, supporting large radiators and multiple fans to maintain optimal internal temperatures.

CUSTOMIZE YOUR CHASSIS WITH A NEW DISPLAY

Maximize your Tower 600's visual effects by upgrading it with our LCD Screen Kit.

The 3.9" LCD Display allows you to monitor real-time information and upload any images or GIFs to add extra flair using the TT RGB Plus software. It also allows you to interact with the cooling components that feature the same LCD displays. The latest version includes weather mode and time mode for users to expand the usage of our LCD displays.



The Tower 600 supports up to a 420mm radiator on the right side and a 360mm radiator on the left side for superior cooling. The vertical chassis design ensures well-designed cold air intakes and hot air exhausts to keep internal temperatures low.



TOOL FREE PANELS FOR EASY ACCESS

The Tower 600 features two 140mm PWM fans on the top to provide good cooling performance.

Diagram illustrating the intake and exhaust airflow paths within the Tower 600 chassis.

I/O Ports

The top-located I/O ports provide convenient access to essential connections:

- Power Button with Integrated Power LED (White)
- HDD LED (Red)
- USB 3.0 Type-A x 4
- USB 3.2 Gen 2 Type-C x 1
- HD Audio



STORAGE FOR YOUR STORAGE

For the storage compatibility, The Tower 600 can fit one 3.5" hard drives or up to three 2.5" hard drives.

SSD

HDD

Close-up view of the conveniently located top I/O ports on the Tower 600 chassis.

Hardware Support

The Tower 600 offers extensive compatibility for various PC components.



Diagram showing supported motherboard sizes (Mini-ITX, Micro-ATX, ATX), GPU length (up to 400mm), and PSU length (max 220mm).

Fan Support List

Location	120mm Fans	140mm Fans
Top	3	2
Right Side	3	3
Left Side	3	-
Rear	2	2
PSU Cover	1	1
Bottom	1	1

Left
360mm x 1

Right
420mm x 1
or
360mm x 1

Left

Right

All-in-One Compatibility List

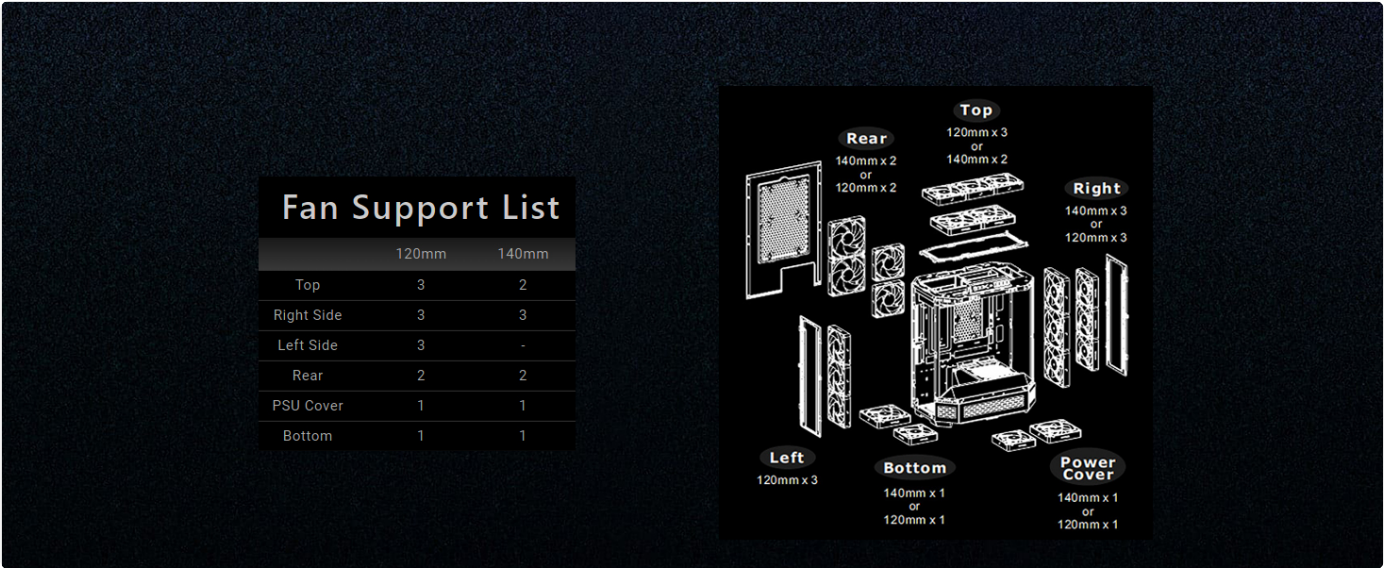
	120mm	240mm	360mm	140mm	280mm	420mm
Top	-	-	-	-	-	-
Right Side	•	•	•	•	•	•
Left Side	•	•	•	-	-	-
Rear	-	-	-	-	-	-

Visual guide to fan mounting locations and supported sizes within the chassis.

Radiator Support List

Location	Supported Radiator Sizes
Top	1 x 360mm, 1 x 280mm, 1 x 240mm, 1 x 140mm, 1 x 120mm

Location	Supported Radiator Sizes
Right Side	1 x 420mm, 1 x 360mm, 1 x 280mm, 1 x 240mm, 1 x 140mm, 1 x 120mm
Left Side	1 x 360mm, 1 x 240mm, 1 x 120mm
Rear	1 x 140mm, 1 x 120mm



Visual guide to radiator mounting locations and supported sizes within the chassis.

Storage Compatibility

The Tower 600 can accommodate one 3.5" hard drive or up to three 2.5" hard drives.

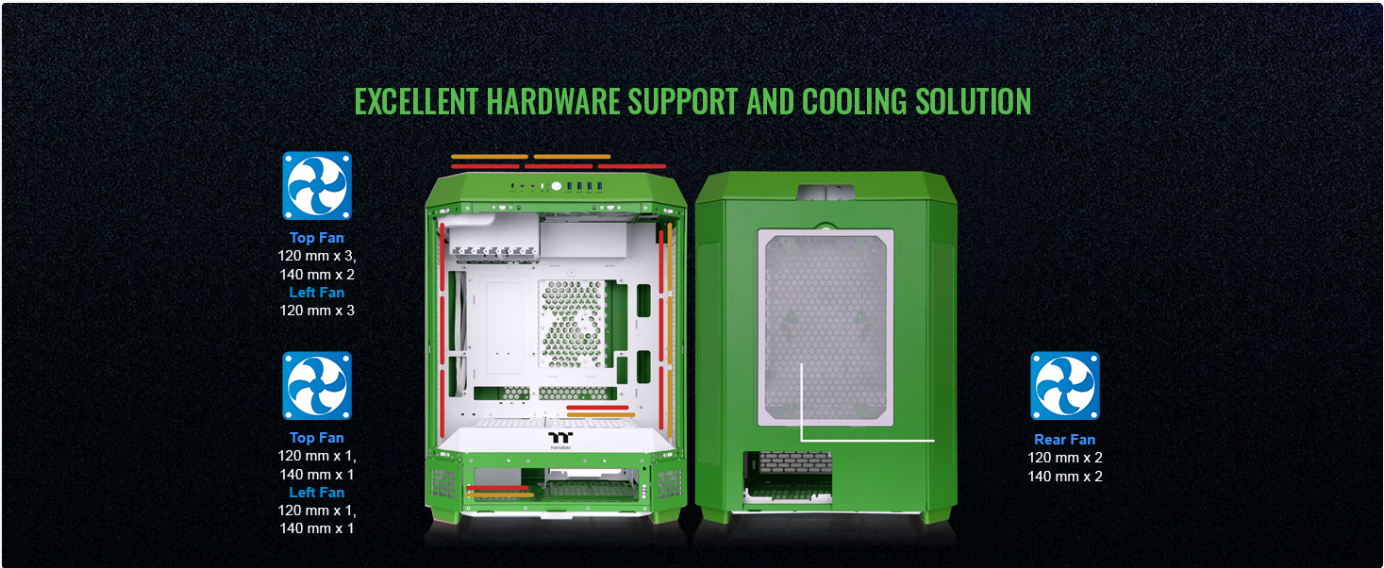


Illustration of the SSD and HDD mounting locations within the chassis.

Rotatable PCIe Slots

The chassis features rotatable PCIe slots, allowing you to mount your graphics card in various orientations. Two additional GPU brackets provide support for your GPU and riser cables (riser cable sold separately).

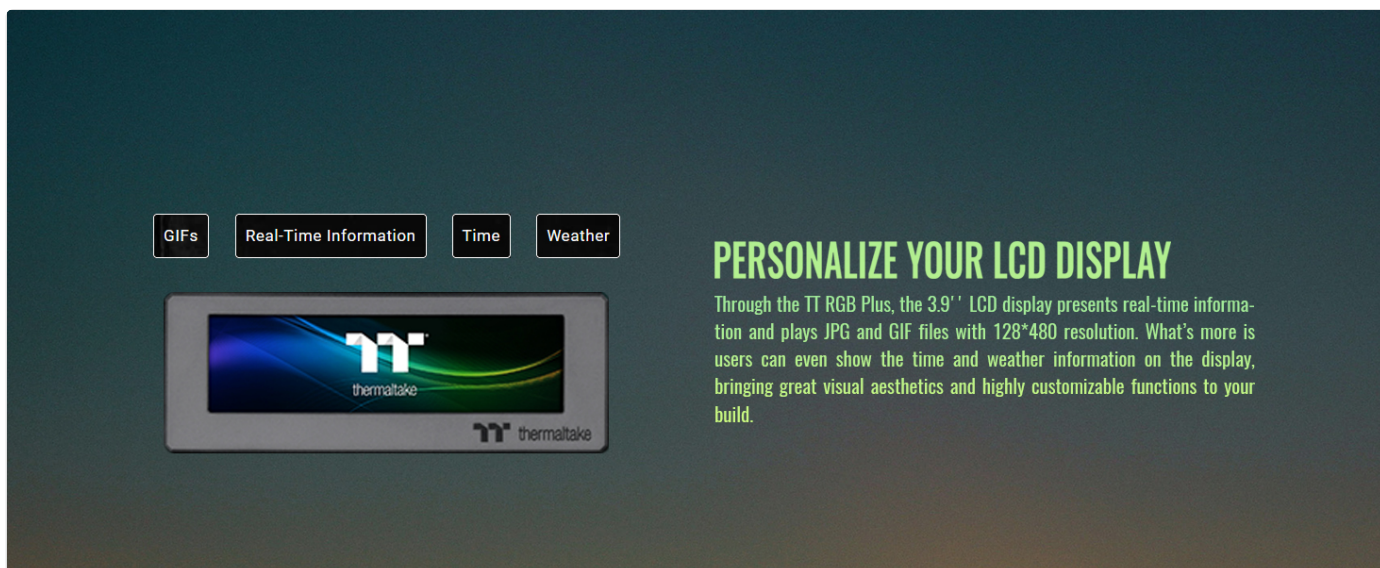


Diagram showing the flexibility of rotatable PCIe slots for vertical or horizontal GPU mounting.

Optional LCD Display Customization

Maximize your Tower 600's visual effects by upgrading with an optional LCD Screen Kit. The 3.9" LCD Display can monitor real-time information and display images or GIFs using TT RGB Plus software. It also interacts with cooling components featuring LCD displays and includes weather and time modes.



Illustration of the optional LCD display, showcasing its ability to show real-time information and custom visuals.

MAINTENANCE

Dust Protection

The Tower 600 is equipped with well-designed filters on the top, rear, inner sides, and inner bottom layer to protect your system from dust accumulation, ensuring longevity and performance.



Diagram highlighting the locations of the various dust filters for comprehensive system protection.

SPECIFICATIONS

Feature	Detail
Brand	Thermaltake
Series	The Tower 600 Light-Year Green
Model Number	CA-1Z1-00MOWN-00
Item Weight	26.2 pounds
Package Dimensions	25.3 x 19.3 x 14.1 inches
Color	Light-Year Green
Motherboard Compatibility	ATX
Case Type	Mid Tower
Recommended Uses	Computer Chassis
Material	Acrylonitrile Butadiene Styrene (ABS), Glass, Stainless Steel, Tempered
Power Supply Mounting Type	Bottom Mount
Cooling Method	Fan
Light Color	RGB