

# MC500: Versatile Compact Mini-ITX Case



## MC500 Features

- Optimized cross-case ventilation and low noise
- Modular design allows for cost efficient customization
- Compatible with nearly every Mini-ITX motherboard
- Smart power button with auto power-on setting
- Fits up to four 2.5" HDDs
- Long lifecycle with revision control
- Rugged plated-steel industrial design
- Designed for emissions compliance

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## OPTIMIZED COOLING

The MC500 offers multiple mounting points to support two long-life 50mm Mag-Lev fans for optimal airflow over the motherboard. The 50mm Mag-Lev fans are larger than regular Mini-ITX cooling solutions allowing them to run at a lower RPM with the same efficiency, reducing system noise, and increasing the life of the fan.



## EMISSIONS COMPLIANCE

All interfacing edges feature double right-angle folds and minimum vent hole dimensions to minimize the risk of EMI interference. During manufacturing we mask all of the interfacing edges to keep them free from paint and assure effective electrical conduction between all metal parts.



## CUSTOMIZABLE/BRANDABLE

Designed to be redesigned, all folds on the MC500 use the same tooling. This allows us to cost-effectively increase or decrease the dimensions if needed. The MC500 has easily exchangeable front plates as well as built-in real estate for extra I/O socket cutouts. The case is also brandable, enabling you to create a white label solution with your own front and back plate design and screen printed graphics.



## MAINBOARD COMPATIBILITY

The MC500 chassis has been designed with larger PEMs (motherboard mounting standoffs) creating a clearance of 7.2mm between the floor of the case and the motherboard. This extra clearance allows for bottom mounted features on the motherboard, such as memory and compact flash, making this case compatible with nearly every Mini-ITX motherboard. The compact size of this case will not restrict you from having the I/O you need.

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## MULTIPLE STORAGE CONFIGURATIONS

Boasting eight mounting positions, and the ability to mount four 2.5" hard drives (using the double HDD brackets B25-2xHDD), this case gives you plenty of storage configurations for data heavy applications.



## OPTIONAL LCD FRONT PANEL DISPLAY

An optional Crystalfontz Graphics Display front panel with 4 status LEDs and 6 function keypad improves the user interface. The LCD screen can be customized with your logo and programs enabling users to control the computer without the need for a separate display. The front plate can be mounted upside down for applications requiring trunk or ceiling mounting.



## SMART POWER BUTTON

Our smart power button can be configured to prevent accidental ON/OFF actions and to start up the system automatically after power loss (overriding BIOS settings), ensuring uptime when power is supplied.



## VERSATILE MOUNTING OPTIONS

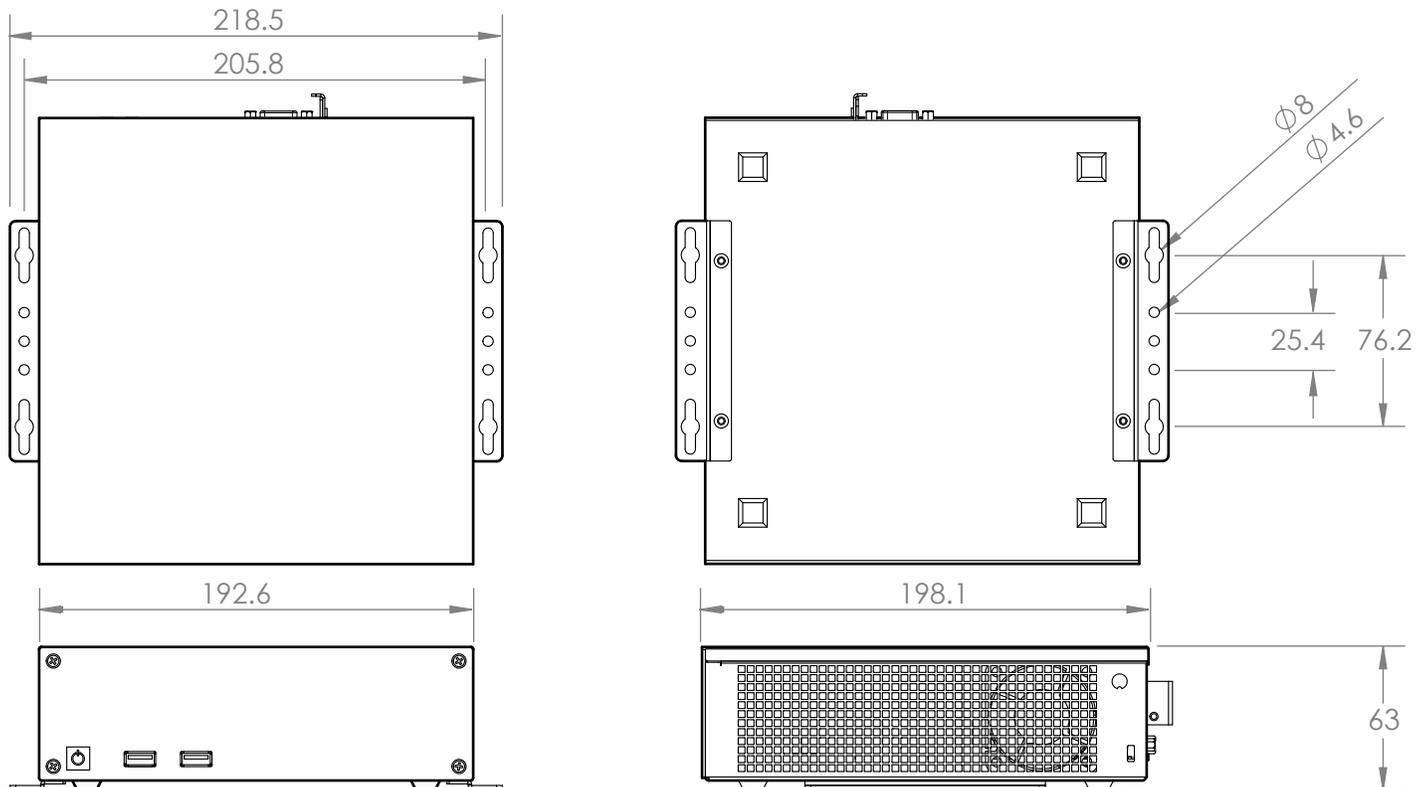
Plated steel S-Brackets with DIN and bi-directional keyway holes allow this case to be securely mounted in a vast array of environments. The case comes with optional rubber mounting feet for desktop use, as well as four M3 x 0.5 threaded features on the bottom for alternate screw-type mounting.

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## SPECIFICATIONS

<b>Form Factor</b>	Mini-ITX	<b>Cooling</b>	50x50x10 mm MagLev fan (included) Supports up to two 50x50x10 fans
<b>Material</b>	Heavy-duty, zinc-plated steel	<b>Power Supply</b>	Supports picoPSU power supplies
<b>Finish/Color</b>	Black, scratch resistant chassis	<b>Dimensions</b>	190 x 62 x 196 mm (7.5" x 2.5" x 7.7")
<b>Storage</b>	Fits up to 4 x 2.5" HDD with the use of a double HDD bracket	<b>Included Accessories</b>	Adhesive foot pads
<b>Memory Height</b>	No Restrictions	<b>Mounting Options</b>	Din Mounting, Wall Mounting Four M3 x 0.5 Threads on the Base Rubber Feet Kensington Lock Attachment Feature
<b>Motherboard Standoff Height</b>	7.2mm	<b>Recommended Applications</b>	The MC500 is a very versatile case and can be used in a vast array of different applications, including digital signage and mobile computing.
<b>Expansions Slot</b>	Optional with Engineering Services		
<b>Front Access</b>	2x USB ports Power Button LCD Display (optional)		

## DIMENSIONS



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## DIN Mounting Guide

- ① DIN Rail
- ② DIN Clip (Product Number: DINClip01)
- ③ MC500 (Product Number: MC500)
- ④ 6x M3x0.5 or 4-40 screws
- ⑤ Mounting Brackets (Product Number: WDMK-1040)

