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# MK100: Expandable 1U Rackmount Case



## MK100 Features

- High-quality, conductive, nickel-plated steel chassis
- Modular design allows for cost efficient customization
- LCD panel with multi-function buttons
- Two muffled MagLev fans for quiet, cool operation
- Four 2.5" drive hot-swap bays
- Reversible mounting ears
- Optimized internal layout for assembly
- Slimline optical drive

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# MK100: Expandable 1U Rackmount Case



## MODULAR, EXPANDABLE 1U RACKMOUNT CASE

Form follows function with a variety of options for reconfiguring the base chassis. With the Flexplate design, the MK100 can be reconfigured on-the-fly to accommodate a front-panel hot-swap bay supporting four 2.5" hard drives for network-attached storage or hot-spare RAID arrays, an LCD with multifunction buttons for headless nodes, or a slimline optical drive. Two expansion slots allow for the integration of additional networking cards or video capture devices, and interchangeable backplate inserts can be custom-cut and screen-printed for I/O labels in project installations.




## REBRANDING AND CUSTOMIZATION

With as little as two weeks turnaround time for a custom solution, the MK100 is designed to be redesigned for low or high-volume projects. From logo screen printing to custom front or I/O panel design, our engineering team can create the ideal proprietary solution for your application. Our control over the design and manufacturing also allows us to manage the lifecycle and revision history, ensuring a reliable, consistent solution.



## COOL AND QUIET

Dual 40 mm long-life MagLev fans provide plenty of airflow across even high-power Core i solutions, drawing cool air in through the top and sides of the case and exhausting it out the front. Unique fan mufflers ensure quiet operation and improve directed airflow when compared to fans mounted directly to the case's front grill, keeping the system quiet as well as cool and improving system reliability by reducing strain on the fans.



## QUALITY BY DESIGN

Hard drive, power supply installation, and cable routing are a cinch thanks to an intuitive internal layout that includes a cable tie monorail to ensure adequate airflow and cable security, so that connections are vibration-resistant, even during shipping. The exterior powder coat is scratch-resistant and fingerprint-resistant, while the high-quality nickel-plated steel chassis improves electrical conductivity, and double right-angle folds at all seams reduce EMI and RFI risks.

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## WORLD POWER COMPATIBILITY

Providing maximum flexibility for applications ranging from firewalls to automotive surveillance systems, the MK100 is designed to accommodate a variety of power supplies. DC/DC PicoPSUs and a 250-watt Flex-ATX AC/DC power supply support global standards for 120-250 VAC at 50~60 Hz, while automotive power supplies such as the M2-ATX or DCDC-USB feature 6~30 V wide DC input and ignition-sensing capabilities for vehicular applications.



## MOUNTING OPTIONS FOR ANY INSTALLATION

- Reversible, removable rackmount ears for I/O-forward solutions
- Removeable ears and rubber feet for desktop use
- Half-depth sliding rails for easy access in rack



## ADD-ON KITS AND ACCESSORIES

**MK-109RS:** Rackmount Sliding Rails

**AKODD-MK100:** Slimline Optical Drive Kit

**AK4HS-MK100:** 2.5" HDD Hot-Swap Kit

**AKLCD-MK100:** LCD Kit

**AKHSL-MK100:** Combo 2.5" HDD Hot-Swap and LCD Kit

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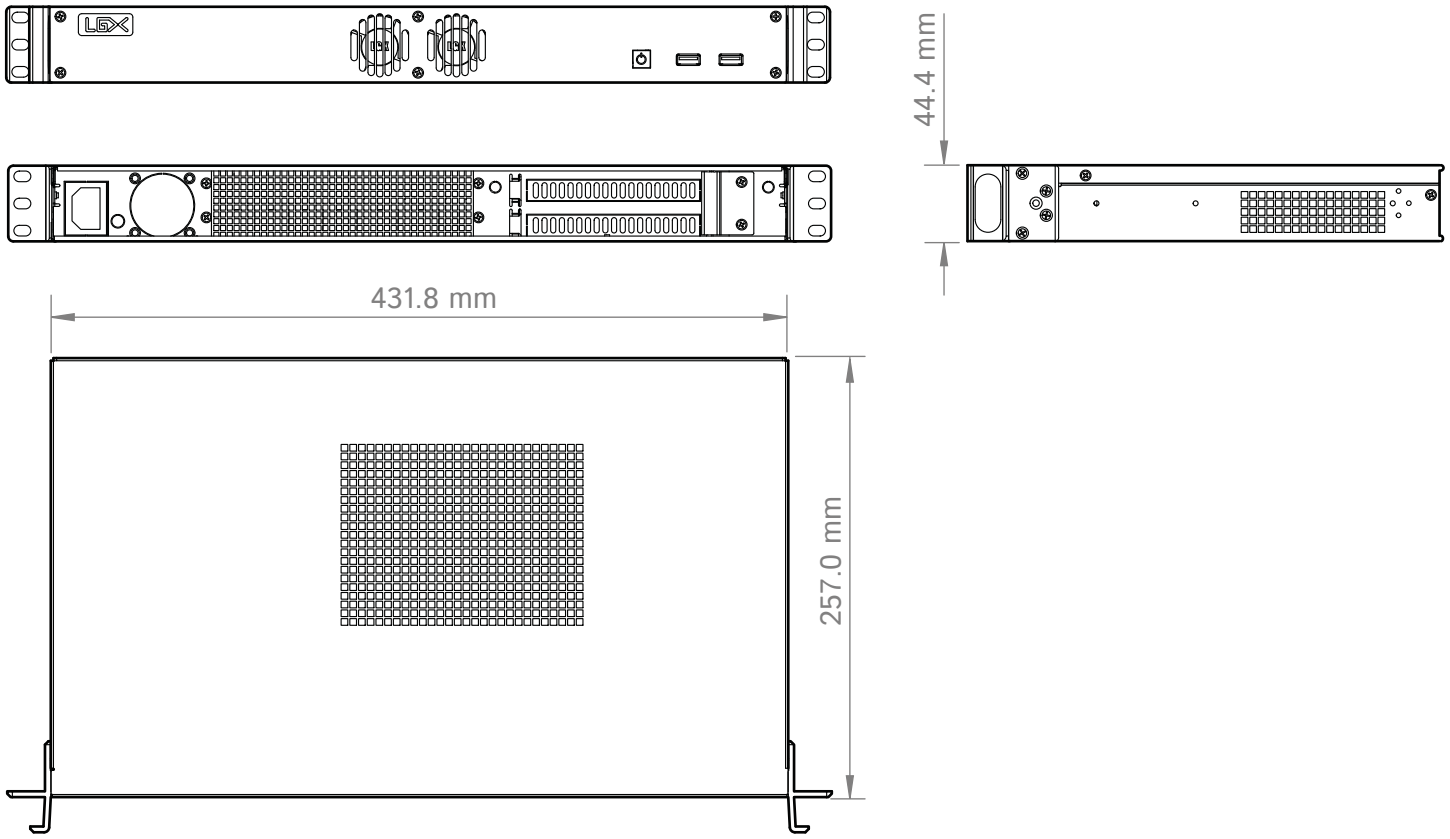
# MK100: Expandable 1U Rackmount Case

## SPECIFICATIONS

| | |
|---|---|
| **Form Factor** | 1U Rackmount for Mini-ITX Motherboards |
| **Material** | Steel with Nickel Flash |
| **Storage** | 6x 2.5" HDD<br>1x 3.5" HDD<br>4x 2.5" Hot-swap bay (optional with AKHSL-MK100 or AK4HS-MK100) |
| **Optical Drive Bay** | Optional with AKODD-MK100 |
| **Front Access** | Intelligent Power button<br>2 x USB 2.0 ports (default) |
| **Cooling** | 2 40x40x10 MagLev fans |

| | |
|---|---|
| **Power Supply** | Internal 250 W switching power supply for 120~240 VAC, 50/60 Hz (optional)<br>picoPSU power supplies (optional)<br>M2-ATX or DCDC-USB automotive power supplies (optional) |
| **Dimensions** | 431.8 x 44.4 x 257.1 mm<br>17" x 1.74" x 10.1" |
| **Included Accessories** | Screws<br>Rubber feet (6)<br>Plastic motherboard risers<br>Plastic hard drive and motherboard insulating shields |
| **Recommended Applications** | Firewalls, Networking, Surveillance, Server |

## DIMENSIONS




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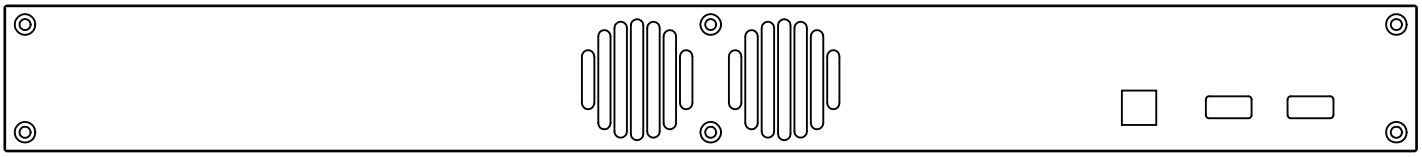
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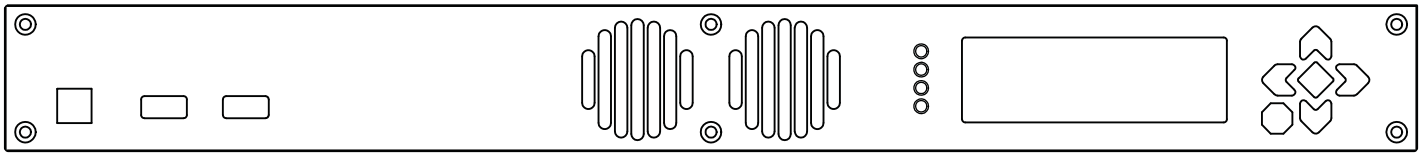
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## Standard Faceplate Configurations

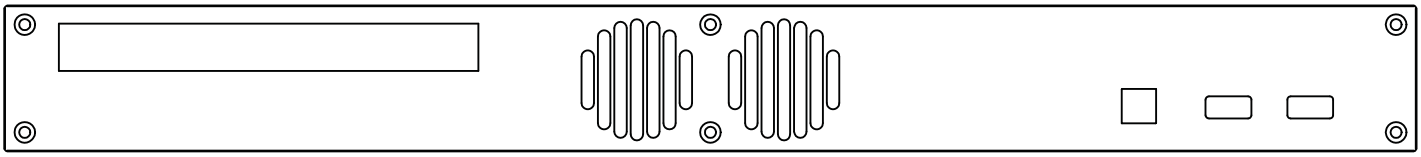
Standard Frontplate **(MK100)**



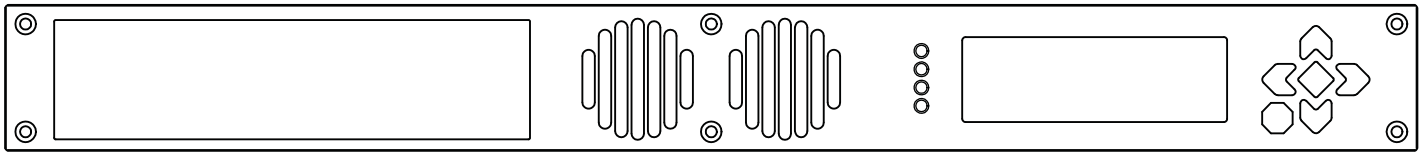
LCD Panel with 4 Status LEDs and 6 Function Keypad **(AKLP-MK100)**



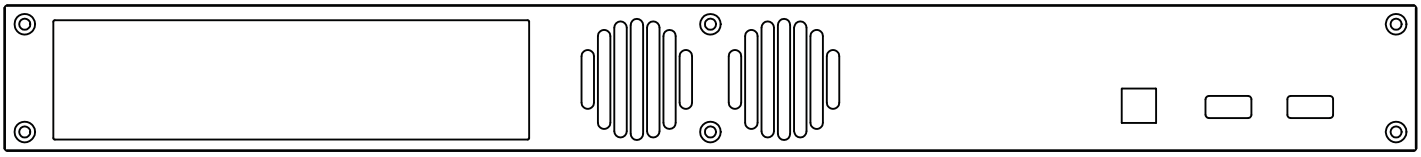
Slimline DVD Drive **(AKODP-MK100)**



4 x Hotswap Bays and LCD Panel with 4 Status LEDs and 6 Function Keypad **(AKHLP-MK100)**



4 x Hotswap Bays **(AKHP-MK100)**



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