

# CHENBRO

## RM245 Series

2U ATX Highly Flexible Storage  
Server Chassis

RM24512



RM24508



The Chenbro RM245 Series is integrated with Chenbro uniquely modular and tool-less techniques, designed to quickly fulfill different needs of small-to-medium enterprise to support their growing business.



### Get Affordable & Customized Solution

The RM245 Series is a flexible configuration architecture that enables you to customize affordable solutions for your growing business. Specifically, this model can offer more than 7 configurations that are made by Chenbro's exclusive modular parts, including the HDD cages, fan cages, PCI-e riser cage, and rear windows. These help you not only to benefit greatly from shorter production lead time and lower re-investment costs on molds, but also to gain great balance of cost, performance and capacity for enterprise data centers.



### Spend Less to Maintain Your Chassis

Easy maintenance is essential for IT operators, the RM245 Series offers users simple and quick ways to maintain chassis. Taking the advantage of Chenbro's unique tool-less 2.5" and 3.5" HDD trays, IT operators can save up to 80% of HDD installation time, via 2 simple steps-- "slide in" and "push down" HDDs. This series is also built in hot-swap fans, tool-less PCI-e riser cage, and hot-swap CRPS, can help you experience worry-free maintenance to reduce OPEX, simply and cost effectively.



### Support High Performance

The RM245 Series is designed to support your system with high performance in file sharing/storing, backup and disaster recovery option, and other general applications. Built in 12Gb/s Mini-SAS HD backplane, this series has the ability to provide powerful disk I/O performance to help the SMEs deal with daily massive and complex workloads. In addition, it is equipped with three hot-swap fans and built in smart fan control on the backplane that creates the precise balance of air intake and system performance. These designs can fulfill the thermal requirement of the latest Intel® Purley platform.

# Chassis Specification

<b>M/B Form Factor</b>	• ATX (12" x 9.6")
<b>Dimension (D x W x H)</b>	• 559 x 438 x 87 (mm), 22" x 17.2" x 3.5"
<b>Drive Bays</b>	• RM24508: 8 x 3.5" (Hot-swap), 1 x Slim ODD, 2 x 2.5" (Internal) • RM24512: 12 x 3.5" (Hot-swap) • Optional 2 x 2.5" for OS (Hot-swap)
<b>PSU Form Factor</b>	• 1+1 CRPS (80+ Platinum) or 2U Single (80+ Gold)
<b>Indicators</b>	• Front Panel: 1 x Power Status, 2 x LAN Activity, 1 x UID, 1 x HDD Status, 1 x System Status
<b>Front Control</b>	• Power On/Off, System Reset, UID, 2 x USB3.0
<b>Cooling Fans</b>	• Middle: 3 x 80 mm (Up to 4), PWM (Hot-swap & Non Hot-swap)
<b>System Security</b>	• Intrusion Switch (Option)
<b>Slot Opening</b>	• 7 x Low Profile or 3 x Full Height
<b>HDD Backplane</b>	• 12Gb/s Mini-SAS HD w/ or w/o Expander
<b>Temperature</b>	• Operating: 10 °C to 35 °C (50 °F to 95 °F) • Non-operating: -40 °C to 70 °C (-40 °F to 158 °F)
<b>Humidity</b>	• Non-operating: 50% to 90%
<b>Net Weight</b>	• 9.5 kg
<b>Gross Weight</b>	• 12.0 kg
<b>Front Bezel</b>	• Option
<b>Cubic Feet</b>	• 2.89
<b>Container Info.*</b>	• 20': 260, 40': 560, 40'H: 616

\*Single Packing

## 12Gb/s Backplane Specifications

### 8-port 3.5" Mini-SAS HD Backplane

<b>P/N</b>	• 380-23810-3000A0
<b>Dimension (W X H)</b>	• 432 x 53.2 (mm)
<b>Backplane Type</b>	• Passive
<b>Host Interface</b>	• 2 x SFF-8643
<b>HDD Interface</b>	• 8 x SFF-8680
<b>SAS Expander</b>	• N/A
<b>Features</b>	• Temperature Monitoring, Smart Fan, Fan Alarm, I2C

### 12-port 3.5" Mini-SAS HD Backplane

<b>P/N</b>	• 380-23710-3005C0
<b>Dimension (W X H)</b>	• 432 x 81 (mm)
<b>Backplane Type</b>	• Passive
<b>Host Interface</b>	• 3 x SFF-8643
<b>HDD Interface</b>	• 12 x SFF-8680
<b>SAS Expander</b>	• N/A
<b>Features</b>	• Temperature Monitoring, Smart Fan, IPMB

### 12-port 3.5" Mini-SAS HDD Expander Backplane

• 380-23710-3001C0
• 432 x 81 (mm)
• Active
• 2 x SFF-8643
• 12 x SFF-8680
• LSI SAS3x28R
• SES, Temperature Monitoring, Smart Fan, T-10 Zoning, I2C

## Chenbro

Founded in 1983, Chenbro (TWSE Ticker: 8210) has been the pioneer in designing and manufacturing of rackmount system, tower server and PC chassis. With over 35 years of immense experience in mechanical and electrical competence, Chenbro is qualified by first tier server brands to provide OEM, ODM and JDM services with EMS companies. In addition, Chenbro has successfully extended its business footprint to datacenters and industrial solutions by continuously investing in technologies to deliver the most trusted servers and PC chassis with the highest standard of innovation. For more information about Chenbro, please visit <http://www.chenbro.com>

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