

Modular Blade Chassis Platform

Bringing the Industry's Most Flexible, Scalable and Versatile Platform to Any Data Center

Cirrascale® has tailored the BladeRack® 2 Series platforms to provide unparalleled performance and investment protection for data center consolidation efforts in the dynamic enterprise computing landscape. However, the demand has been ever increasing for the same award-winning technology to be implemented in a rack chassis that can be used in any standard data center rack-optimized environment. Introducing the Cirrascale Modular Blade Chassis (MBC) platform.

Cirrascale's MBC platform is an innovative adaptation of the BladeRack 2 Series that provides customers with the same level of reliability and flexibility that's delivered in the company's BladeRack 2 XL or BladeRack 2 XM platforms with a slightly lower density.

The MBC platform is a 9 blade rackmount module that utilizes Cirrascale's patented Vertical Cooling Technology™ found in all of the BladeRack 2 Series platforms. This allows the MBC to use open-architected blades with the fastest processors available on the market, all without the performance loss common in blade servers from other vendors due to CPU throttling. Our innovative Vertical Cooling Technology has proven to save money by reducing energy expenditures and ensuring reliability, enabling data centers to use their power for compute instead of cooling.

The 9 blade MBC can be deployed as a single rackmount module supporting 9U in either 13 or 17 continuous RU space* depending on the selected model. The MBC has the ability to easily scale and stack to support either three (MBC-XL) or four (MBC-XM) modules per rack. This allows customers to have up to 36 blades in 40 continuous RU each housing the most cutting edge components and processors available making this platform attractive for small to medium scale-out grid and web serving environments. Like all Cirrascale products, the Modular Blade Chassis is able to be tailored to meet the need of the individual client and can be configured with a focus on compute, storage, high-performance PCoIP® workstations or GPGPU needs.

The Modular Blade Chassis platform utilizes an ultra-efficient 208-240VAC 20A power solution for each module, helping to drastically reduce your organization's energy expenditure. This innovative power solution also generates substantially less heat than those found in competing solutions, saving additional cooling resources. The combination of flexibility, scalability and efficiency drive the total cost of ownership of the MBC far below that of competing solutions while gaining an increase in performance and reliability.

* The MBC unit heights are 9U and 13U respectively. The 13U and 17U measurements are derived from adding the required 2U air baffles to the units. One set of air baffles are used per rack regardless of the number of units.

Features at a Glance



- Blades Offer Powerful Processing for Demanding Cloud, Grid and Web Serving Environments
- 9 customizable blades contained in 13U (XM) or 17U (XL) of space.*
- Each standard rack can contain up to three XL or four XM modules.
- Utilizes Industry Leading Patented Vertical Cooling Technology™
- Supports current data center infrastructures with no need to change already established racks
- Boost Overall Efficiency and Lower TCO



**The Cirrascale MBC-XM
Modular Blade Chassis**

Modular Blade Chassis Platform Specifications

Below are the generalized specifications for the Cirrascale Modular Blade Chassis in both the MBC-XL and MBC-XM form factors.

	MBC-XL	MBC-XM
		
Total Blade Capacity	9 Blades	9 Blades
Units per Standard Rack	3	4
Cooling Technology	Patented Vertical Cooling	Patented Vertical Cooling
Max Cores	Up to 216 cores	Up to 216 cores
Max Storage	Up to 336TB	Up to 36TB
BladeRack 2 Compatibility	Yes, Blades are interchangeable with the BladeRack 2 XL	Yes, Blades are interchangeable with the BladeRack 2 XM
Blade Management	IPMI 2.0 / AMT	IPMI 2.0 / AMT
Unit Dimensions	Height: 578 mm (22.75 in.) Width: 483 mm (19.0 in.) Depth: 609.6 mm (24.0 in.)	Height: 400 mm (15.75 in.) Width: 483 mm (19.0 in.) Depth: 609.6 mm (24.0 in.)
VCT Air Baffle Dimensions	<p>VCT Air Intake Baffle Height: 88.9 mm (3.5 in.) Width: 483 mm (19.0 in.) Depth: 317.5 mm (12.5 in.)</p> <p>VCT Air Exhaust Baffle Height: 88.9 mm (3.5 in.) Width: 483 mm (19.0 in.) Depth: 520.7 mm (20.5 in.)</p> <p>(Requirements for air baffles vary due to a variety of situations. One of each may be required per rack.)</p>	
Max Weight	181.4kg (400 lbs.)	136.1kg (300 lbs.)
Power System	Auto-Sensing 208V - 240V, 50/60Hz, 20A Power Input High-Efficiency: In Excess of 85% at 208VAC Input Power	Auto-Sensing 208V - 240V, 50/60Hz, 20A Power Input High-Efficiency: In Excess of 85% at 208VAC Input Power

About Cirrascale

Cirrascale Corporation is a premier provider of blade-based GP/GPU, cloud computing and storage infrastructure for conventional and containerized data centers. Cirrascale leverages its patented Vertical Cooling Technology to provide the industry's most energy-efficient standards-based platforms with the lowest possible total cost of ownership in the densest form factor. Cirrascale sells to large-scale infrastructure operators, hosting and managed services providers, Cloud Service Providers, and HPC users. Cirrascale also licenses its award winning technology to partners globally.

Contact Us Today

To learn more about Cirrascale and its unique data center infrastructure solutions, please visit us on our website at www.cirrascale.com or contact one of our Account Managers by calling (888) 942-3800.

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