HPE ARCS 48U 800x1600mm Rack (R8N95A)

What's new

- Up to 150 kW and 10,000 cfm of cooling capacity versus the MCS 200 with 55 kW and 4,700 cfm.
- Power support for 380V-480 VAC (3-phase).
- 42U and 48U rack options instead only 42U racks.
- 1 cooling unit supports up to 4 IT racks versus the MCS 200 which only supported 2 IT racks.

Overview

Is your IT power demand scaling faster than your cooling capacity? The HPE Adaptive Rack Cooling system allows for increased computing power without adding to the heat load in the data center. Using a closed-loop, room-agnostic design, the HPE Adaptive Rack Cooling system is capable of cooling fully populated racks, even with top bin processors. The horizontal airflow of the HPE Adaptive Rack Cooling system fully supports industry-standard front-to-back cooling designs and standard server dimensions. Additionally, the implementation of variable speed fans within the system, enables improved energy efficiencies by providing the right volume of airflow to all devices, regardless of the mounting position or workload. By increasing power density without the need for extensive cooling upgrades, the HPE Adaptive Rack Cooling system can

economically extend the life of the data center.

Features

Increase Data Center Density Without Extensive Data Center Cooling Upgrades

The HPE Adaptive Rack Cooling system supports up to 150 kW and 10,000 cfm of cooling capacity allowing for full rack densities even with top bin processors.

Increase data center capacity by opening up floor space by reducing the number of Computer Room Air Handler units (CRAH).

Realize the Full Potential of Any Data Center

The HPE Adaptive Rack Cooling system provides cooling and heat capture at the source to improve power usage effectiveness (PUE) by cooling the rack versus the data center.

Reduces the need for cooling infrastructure, such as raised floors or cold/hot aisle containment, as systems are capable of being installed on concrete floors with no external air cooling requirements.

Closed loop design provides power efficiency through independent control of cluster temperatures and adaptive airflow control provides cooling as needed.

Features remote environmental access and control with local touch screen displays, web browsers, HPCM or a variety of industry standard protocols.

Extend the Life of Data Centers

The HPE Adaptive Rack Cooling system allows increased computing power without adding to the heat load in the data center.

Avoid the need for the complexity of Direct Liquid Cooling (DLC)) adoption to support higher power densities.

Reduces the need for continual piecemeal upgrades of the data center with additional air cooling capacity to accommodate higher power density.

Use in places where traditional cooling is not possible or desired, such as data center hot spots or remote data centers.

Install once and use for multiple generations of servers, networking, or storage.

Technical specifications — HPE ARCS 48U 800x1600mm Rack

Product Number	R8N95A
Maximum cooling capacity	150 kW (4 fans) or 110 kW (N+1 fan redundancy)
Required power supply	380V - 480V
Chilled water connections	6 foot hoses with 2 inch TC fittings for facility connection. Optional stainless steel adapters (TC to 2 inch female BSPT or TC to 2 inch female NPT)
Airflow	10,000 CFM: 4 fans (nonredundant) 7,500 CFM: N+1 fan redundancy
Product dimensions	Cooling Unit: 2,007 x 600 x 1,660 mm 42U rack: 2,007 x 600 x 1,660 mm 48U rack: 2,295 x 600 x 1,660 mm
Weight	Cooling Unit: 646 kg 42U rack: 179 kg 48U rack: 179 kg
Warranty	HPE Pointnext provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation. From the onset of your transformation journey, Advisory and Transformational Services focus on designing the transformation and creating a solution roadmap. Professional Services specializes in creative configurations with flawless and on-time implementation, and on-budget execution. Finally, operational services provides innovative new approaches like Flexible Capacity and Datacenter care, to keep your business at peak performance. HPE is ready to bring together all the pieces of the puzzle for you, with an eye on the future, and make the complex simple.

For additional technical information, available models and options, please reference the QuickSpecs

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Call for availability

Chat now (sales)

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PSN1013829511WWEN, March, 2024.

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