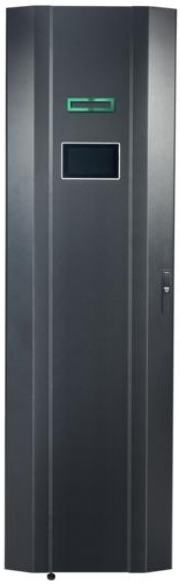
Hewlett Packard Enterprise

HPE ARCS 48U 600X1600MM RACK (Q7G92A)

Rack Cooling Systems



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

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

2 IT racks.

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 600x1600mm Rack

Product Number	Q7G92A
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 (metric)	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

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

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Operational Services from HPE Pointnext Services

HPE Pointnext Tech Care provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

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HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product
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