Data sheet

HPE Compute Edge Server e920d

What's new

- Intel® Xeon® scalable processor family with memory and PCIe
- Intel® VROC (RAID) support on NVMe M.2 Solid State Drives (SSD)
- Persistent memory support
- Four NVMe M.2 drives on motherboard and four additional with optional riser
- 10 GbE network mezzanine option
- Large capacity NVMe M.2 22110 SSD support

Overview

Do you need a powerful, dense, and rugged server at the edge? The HPE Compute Edge Server e920d is an I/O-enhanced powerhouse designed to deploy edge compute close to where the data is being generated, conserving uplink bandwidth and connectivity cost, lowering security and data risk, and greatly reducing time to actionable insight. Designed to perform in size-, weight-, and power-constrained environments, the HPE Compute Edge Server e920d is the server you need when rugged, dense compute is required with I/O capability. A bladed design allows for easy slide-in, slide-out maintenance and upgrades.

Features

Outperform in Ruggedized Edge Environments in Public Sector, Defense, Retail, and More

Leveraging the Intel® Xeon® Scalable processor family, the HPE Compute Edge Server e920d provides a high-performance system enhanced for ruggedized environments. Additional PCIe lanes have enabled a range of I/O options, including powerful GPUs and accelerators.

It is designed to exceed rigorous compliance standards while performing in size-, weight-, and power-constrained environments. Options such as NVMe M.2 SED storage help enable an operating temperature range of 0°C to 55°C and support a highly performant compute solution.

Improved Customer Success Right Out of the Box with a Full Feature Stack

The HPE Compute Edge Server e920d provides I/O optionality in a 2U, half-width form factor. Combined with the HPE Compute Edge e920 (the 1U variant of this server blade), these blades offer a full suite of supported options to enable edge use cases, including GPUs, networking, storage, and software.

A slide-in, slide out modular architecture makes upgrades and servicing a breeze. All generations of server blades are fully compatible in the HPE Edgeline EL8000 Converged Edge System, making it easier to run two applications side-by-side or upgrade from an existing blade system.

Technical specifications	HPE Compute Edge Server e920d
Storage	4 standard NVMe M.2 drives, with an additional 4 NVMe M.2 drives if using mezzanine (optional)
Mechanical and power	Power options include 1500W 264VAC or 1500W 48VDC
Environmental, shock and vibration	0°C-55ºC ambient operational temperature (see QuickSpecs for limits applied to highest wattage CPUs)
Expansion slots	Up to 4 PCIe Gen4 slots and optional Edgeline EL8000 storage bay (see QuickSpecs for details)
Warranty	3/3/3 Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us. Additional HPE support and service coverage, to supplement the product warranty, is available. For more information, visit: https://support.hpe.com.

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.

Advisory & Professional 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.

Support 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.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

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

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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

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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.

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