Data sheet

HPE Compute Edge Server e920t

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
- Large capacity NVMe M.2 22110 SSD support

Overview

Do you need a proven 5G far-edge compute platform that's secure and reliable while still offering versatility of workload?

The HPE Compute Edge Server e920t is a multi-workload edge powerhouse designed to drive your business into the future with support for virtualized RAN (vRAN) for 5G, multi-access edge computing, and retail video analytics. Designed to exceed NEBS Level 3 and perform in size-, weight-, and power-constrained environments, the HPE Compute Edge Server e920t is the server you need when rugged, dense compute is required. A bladed design allows for easy slide-in, slide-out maintenance and upgrades.

With a wide range of I/O options, industry-leading manageability, and security with HPE iLO, the HPE Compute Edge Server e920t is the compute solution to meet your workload needs at the edge in telco, retail, and more.

Features

Outperform in Ruggedized Environments at the Telco Edge

Leveraging the Intel® Xeon® Scalable processor family, the HPE Compute Edge Server e920t 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 the rigorous NEBS Level 3 compliance standard 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 Telco Customer Success Right Out of the Box with a Full Feature Stack

Partnerships with key network equipment providers (NEPS) and support for operating systems like Wind River® OS have enabled HPE Compute Edge Server e920t server blades to conquer harsh telco edge environments with ease.

Range of I/O options including extra-large GPUs and accelerators. By using vRAN Dedicated Accelerator ACC100 with Intel's eASIC technology, forward error correction (FEC) is easily accomplished on HPE Compute Edge Server e920t servers.

Bladed architecture makes upgrades and servicing a breeze. Previous-generation server blades are fully compatible with this system, so by using different blades and product generations, you can run two applications side-by-side or upgrade an existing chassis system with ease.

Enhanced Manageability and Security at the Edge

HPE Compute Edge Server e920t with HPE iLO 5 and Silicon Root of Trust from HPE mitigates risk in mission-critical edge environments. By leveraging HPE iLO 5 capability, managing your system with health monitoring and firmware management is easy with enhanced security features.

With an expanding environment outside the data center, Hewlett Packard Enterprise manageability systems require fewer traditional IT skills, which improves your company's ability to update, configure, and monitor systems from all locations.

Technical specifications	HPE Compute Edge Server e920t
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 900W 48VDC, 1500W 264VAC, or 1500W 48VDC
Environmental, shock and vibration	NEBS Level 3 Compliant
Built-in I/O	iLO Management Port through EL8000t Chassis Controller installed
Expansion slots	3 PCIe 4.0 (for details on configuration options, refer to the QuickSpecs)
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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