

HPE Edgeline EL8000 Converged Edge System

Edgeline Systems



What's new

- 10G SFP+ switch for high-speed data uplink.
- Cable kits for state-of-the-art GPUs and FPGAs.
- Storage bay infrastructure can host up to eight high-capacity drives for data-intensive workloads.
- 10GbE network mezzanine option.
- HPE Trusted Supply Chain
- Titanium Power Supply Kit

Overview

Want to multiplex server blade data on a 10G data plane?

The HPE Edgeline EL8000 Converged Edge System supports a 10G SFP+ switch and 10GbE network mezzanine option to provide a high-speed interface for faster data transfers. In addition, the storage bay and connectivity for your specific infrastructure allow high-capacity data logging and analytics on that data.

Features

Compact Ruggedized Form Factor for Deployments Far from a Data Center

Designed specifically for space-constrained environments, HPE Edgeline EL8000 Converged Edge System has a unique 17-inch depth form factor that fits into limited infrastructures too small for other x86 systems.

The chassis has an 8.7-inch width, which brings additional flexibility for deploying at the deep edge, whether it is in a telco environment, a mobile vehicle, or a manufacturing floor.

HPE trusted supply chain provides a new first line of defense against cyber-attackers with select servers built to the world's toughest security standards in secured facilities.

HPE trusted supply chain brings together enterprise security, processes and people to deliver protection for your most sensitive applications and data even before your server is built.

Modular Design Provides Broad Configuration Possibilities

The HPE Edgeline EL8000 Converged Edge System offers flexibility of choice for compute density or for I/O expansion.

These compact, ruggedized systems offer high-performance capacity to support the use cases that matter most, including media streaming, IoT, AI, and video analytics.

The HPE Edgeline EL8000 Converged Edge System is a versatile platform that enables edge compute transformation. As use case requirements change, the system's flexible and modular architecture can scale to meet them.

Seamless Management and Security Features with HPE Edgeline Chassis Manager

The HPE Edgeline EL8000 Converged Edge System features the HPE Edgeline Chassis Manager which limits downtime by providing system-level health monitoring and alerts.

Increase efficiency and reliability by managing the chassis fan speeds for each server blade installed in addition to monitoring the health and status of the power supply.

Simplify firmware upgrade management and implementation with HPE Edgeline Chassis Manager.

10G SFP+ Switch and Support for High-Capacity Data Storage

HPE Edgeline EL8000 Converged Edge System features a switch which allows high-speed data backhaul.

Certified components in a telecommunication network improve reliability, security, and safety, while building trust in the users of the equipment.

The HPE Edgeline Converged Edge Systems options feature a storage bay that allows up to eight high-capacity drives to store data for intensive workloads such as autonomous vehicle data logging and information security.

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Technical specifications**HPE Edgeline EL8000 Converged Edge System****High-density compute nodes**

4U design for either/or HPE ProLiant e910 and e920 1U Server Blades, HPE ProLiant e910 and e920d 2U Server Blades.

Storage

Storage is configured on the HPE ProLiant e910 and e920 Server Blades.

Mechanical and power

Height - 8.3 inches (5U) (21.2 cm), Width - 8.7 inches (22.1 cm), Depth - 17 inches (43.2 cm) typical Weight is 50 lb to 58 lb (22.7 kg- 26.3 kg), Rack Mount possible, 264VAC, 1500W, -48DC, 1500W 1+1 redundant power, Titanium Power Supply Kit.

Environmental, shock and vibration

Extended operating temperature from 0°C up to 55°C (0°F up to 131°F) (depending on configuration), Storage -30 to 60°C (-22°F to 140°F) 95% non-condensing humidity Operating Shock, IEC 60068-2-27, 30G half-sine, 11ms duration Operating Vibration, IEC 60068-2-64, 3Grms random 5 ~ 500Hz one hour per axis

Product Dimensions (metric)

21.2 x 22.1 x 43.2 cm

Weight

22.7 - 26.3 kg

Warranty

3-Year Parts, 3-Year Labor, 3-Year Onsite support. Additional information regarding worldwide limited warranty and technical support is available at: <https://h20564.www2.hpe.com/hpsc/wc/public/home>. Additional Hewlett Packard Enterprise support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to hpe.com/services/support.



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

HPE Pointnext Services

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

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.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- GreenLake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

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.

HPE GreenLake

HPE GreenLake is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

Make the right purchase decision.
Contact our presales specialists.



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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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