

# HPE ProLiant Compute EL140 Gen12



## What's new

- Up to 24 networking ports with two front OCP DSFF slots available
- 72 core Intel® Xeon® 6 SoC with vRAN boost
- M.2 DPLL timing holdover module and M.2 GNSS receiver module

## Overview

What if your faredge sites could run 5G, AI, and analytics all on a secure, reliable platform built for the most demanding environments? Built to exceed NEBS Level 3 and operate in tight size, weight, and power envelopes, the HPE ProLiant Compute EL140 Gen12 provides rugged, dense compute with a modular sled design for fast slidein/slideout servicing. With support for up to 24 network ports, integrated Juniper Cloud-Native Router functionality, and HPE iLO security, it enables telco operators to cut the hardware footprint required to support end-user customers by up to 50%. [1] TCO reductions are achieved by a reduction in required power per customer and operational hardware management overhead.

# Features

## Significantly Reduce Hardware Acquisition Costs

The HPE ProLiant Compute EL140 Gen12 offers up to 24 available network ports and a 20% increase in compute cores per server, enabling telco operators to support up to 2X the number of end user customers per server. [1]

Juniper Cloud-Native Router integration enables telco operators to support both routing and compute functions on a single server, eliminating the need for cell site router hardware.

Integrated M.2 DPLL timing holdover and GNSS receiver modules provide a much more cost-effective solution compared to specialized NICs.

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

Deep technical partnerships with key network equipment providers (NEPs) like Samsung®, Nokia®, and Ericsson® and operating system providers like Wind River® and Red Hat® ensure that your workload of choice is fully integrated and easy to deploy.

The combination of Intel® Advanced Matrix Extensions (AMX) and support for industry-leading GPUs delivers an AI-RAN ready platform to support AI at the Edge.

Modular sled architecture makes upgrades and servicing a breeze.

## Enhanced Manageability and Security at the Edge

HPE ProLiant Compute EL140 Gen12, equipped with HPE iLO 7 and HPE silicon root of trust, mitigates risk in mission-critical edge environments. By leveraging HPE iLO 7 capability, managing your system with health monitoring and firmware management is easy with enhanced security features.

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

## Reduce Ongoing Operating Expenses

The ability to support 24x 25 Gb networking ports on a single server significantly decreases the power per port over previous generations. In addition, integration of the Juniper Cloud Native Router as a VM on the server eliminates the need to power dedicated router hardware.

Reduce operational overhead by consolidating routing and compute functionality on a single device, minimizing the number of servers to manage, and enabling tool-less design for fast and easy server replacement.

Technical specifications	HPE ProLiant Compute EL140 Gen12
<b>High-density compute nodes</b>	6th Generation Intel® Xeon® SoC with Intel® vRAN Boost
<b>Built-in I/O</b>	8x port integrated 25 Gbps networking, HPE iLO 7 management
<b>Storage</b>	Up to two M.2 NVMe drives supported
<b>Mechanical and power</b>	Power options include 2000W 48 VDC and 3000W AC
<b>Environmental, shock and vibration</b>	NEBS Level 3 Compliant
<b>Expansion slots</b>	2x FHHL PCIe or 2x OCP DSFF slots available (for details on configuration options, refer to the QuickSpecs)
<b>Warranty</b>	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: <a href="https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us">https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us</a> . Additional HPE support and service coverage, to supplement the product warranty, is available. For more information, visit: <a href="https://support.hpe.com">https://support.hpe.com</a> .

[1] [Intel® Xeon® 6 with E-Cores for Networking and Edge product brief](#)

# 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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