HPE GreenLake

HPE is the first to launch compute with optimized cloud-native silicon

Purpose built for service providers

The HPE ProLiant RL300 Gen11 server brings service providers the "holy grail" for cloud-native workloads: the ability to linearly scale out performance with greater efficiency. Put simply, you get more cores—up to 128 per socket—while using less wattage.

Key benefits

- Up to 128 core count per single socket delivers high performance and power efficiency
- Ampere® processors leverage power efficient architecture, delivering competitive performance at lower levels of power consumption
- Predictable performance for cloud-native workloads delivered with single-threaded cores with constant clock speeds
- Scalable - Robust IT
- Eliminates underutilized rack space
- Compute with optimized cloud-native silicon
- Deploy into power-constrained edge environments
- Flexible management options HPE iLO or OpenBMC

It's the perfect blend of performance, flexibility, and efficiency

The HPE ProLiant RL300 Gen11 server delivers a new digital experience by driving operational agility and leveraging the power of data. It's the perfect choice to run scale-out, cloud-native workloads across your environment.

As a cloud service provider, you need a modern cloud-native infrastructure that:

- Focuses on performance per watt and economy of scale because your revenue and profitability are directly tied to infrastructure utilization
- Differentiates you in the marketplace
- Offers predictable, linear-scaling performance
- Delivers flexible infrastructure management option
- Supports your sustainability goals by using less wattage to lower energy consumption

Compute power built from the ground-up

The HPE ProLiant RL300 Gen11 server delivers everything that you need: speed, flexibility, and agility. It's the perfect choice to run scale-out, cloud-native workloads across your environment.

This **next generation compute** is ideally suited for service providers offering cloud-based services such as IaaS, PaaS and SaaS and digitally native organizations that deliver digital services, media streaming, social platforms, e-commerce, and financial online applications.

With HPE ProLiant RL300 Gen11, you can **eliminate underutilized rack space** with a platform that can also be deployed within power-constrained edge environments… up to 128 cores count per single socket delivers high performance and power efficiency.

> **" Based on our benchmarking, the HPE ProLiant RL300 Gen11 server with Ampere processors is delivering a significantly higher power efficiency.**
>
> **This is allowing us to both meet our improved sustainability goals and provide a lower cost of delivery to our end customers."**
>
> **Robert Jenkin**
> CEO, CloudSigma

Leverage linear scale out performance to create competitive advantage

Rapid market growth accelerated by the pandemic is creating enormous opportunity and competitive pressure for service providers. To compete successfully they must deliver an increasingly differentiated customer offering while maintaining significant economy of scale through high infrastructure utilization. With the relentless explosion of data, **more computing power with less energy consumption** is more crucial than ever.

With the Ampere® Altra processor, you get **competitive performance at lower levels of power consumption**. It's the first available CPU based server using Arm Instruction Set Architecture (ISA) that delivers sheer raw performance to rival those of x86 CPUs while consuming less power

HPE ProLiant RL300 Gen11 creates **a more level playing field for service providers competing against hyperscalers**. Its highly efficient and sustainable performance/watt capabilities match public cloud service providers' own Arm-based instances.

Optimizing server efficiency ensures your server hardware closely matches the needs of scale-out cloud applications. With HPE ProLiant RL300 Gen11 you **can maximize your compute density at the lowest cost with the greatest power efficiency**.

Additional benefits

Sustainability

Supports your sustainability goals by reducing your footprint and energy usage with an ongoing model that optimizes operations today and funds the future.

Flexible management

With HPE ProLiant RL300 Gen11, you get a choice of management—HPE iLO with HPE's high security Silicon Root of Trust capabilities; or the option to enable OpenBMC, which is built on the same secure ProLiant foundation with dual OCP 3.0 slots, and firmware updates available via repository for those customers who wish to expand their open-source strategy.
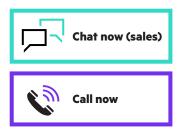
Our commitment

HPE is committed to supporting you so you can innovate and help your clients succeed. The HPE ProLiant RL300 Gen11 server is available worldwide for purchase on-premise and soon as-a-service via HPE GreenLake.

Learn more at

hpe.com/us/en/servers/proliant-rl-300

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Chat now (sales)

Call now

Get updates

Hewlett Packard Enterprise