



Hewlett Packard
Enterprise

InfoTechDay24

Hewlett Packard Enterprise Compute

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HPE Presales Compute

InfoTechDay24 – Agenda Hewlett Packard Enterprise

HPE ProLiant Gen11 Portfolio Overview

HPE ProLiant Gen12 Outlook

HPE Server Management



HPE Compute Gen11 Portfolio



HPE Gen11 Servers for everywhere your apps and data live

TCO & Density optimized



1U, 1P
HPE ProLiant DL320 Gen11
4th and 5th Gen Intel® Xeon® Scalable Processor

Density optimized



1U, 2P
HPE ProLiant DL360 Gen11
4th and 5th Gen Intel® Xeon® Scalable Processor

Performance, expandability, and scalability for diverse workloads



2U, 2P
HPE ProLiant DL380 Gen11
4th and 5th Gen Intel® Xeon® Scalable Processor

Accelerator optimized



2U, 2P
HPE ProLiant DL380a Gen11
4th and 5th Gen Intel Xeon Scalable Processor

INTEL based

Big Data optimized



2U, 4P
HPE ProLiant DL560 Gen11
4th Gen Intel® Xeon® Scalable Processor

Edge optimized



1U, 1P
HPE ProLiant DL20 Gen11
Intel® Xeon® E-2400 Processor

Edge optimized



2U, 2P
HPE Edgeline EL8000t
4th and 5th Intel® Xeon® Scalable Processor

Blade optimized



Blade, 2P
HPE Synergy 480 Gen11
4th and 5th Gen Intel® Xeon® Scalable Processor

HPE Gen11 Servers for everywhere your apps and data live

HPE ProLiant MicroServer Gen11

Intel® Xeon®
E-2400 Processor



Ultra Micro Tower, 1P

HPE ProLiant ML30 Gen11

Intel® Xeon®
E-2400 Processor



Tower, 1P

HPE ProLiant ML110 Gen11

4th and 5th Intel® Xeon®
Scalable Processor



Tower, 1P

HPE ProLiant ML350 Gen11

4th and 5th Intel® Xeon®
Scalable Processor



Tower, 2P

INTEL based

HPE Gen11 Servers for everywhere your apps and data live

TCO & Density optimized



1U, 1P
HPE ProLiant DL325 Gen11
4th and 5th Gen AMD EPYC™
Processor

Storage optimized



2U, 1P
HPE ProLiant DL345 Gen11
4th and 5th Gen AMD EPYC™
Processor

Density optimized



1U, 2P
HPE ProLiant DL365 Gen11
4th and 5th Gen AMD EPYC™
Processor

Accelerator optimized



2U, 2P
HPE ProLiant DL385 Gen11
4th and 5th Gen AMD EPYC™
Processor

AMD based

AMPERE based

Edge optimized



2U, 1P
HPE ProLiant DL145 Gen11
4th Gen AMD EPYC™ 8004 Zen4c
Processor

Cloud optimized



1U, 1P
HPE ProLiant RL300 Gen11
Ampere® Altra® and Ampere® Altra® Max

HPE ProLiant MicroServer Gen11

Mini in Size yet still
Powerful and Secure

1P Mini Tower
HPE ProLiant MicroServer Gen11



Feature	Specs
Processor	Intel Xeon E-2400 and Pentium processors
Front Drive Count	Up to 4 LFF NHP HDD or 4 SFF NHP SSD (with LFF-to-SFF converter kit)
Rear Drive Count	No rear drive support
I/O	Up to 1 HHHL x16 PCIe Gen5 slot Up to 1 HHHL x4 PCIe Gen4 slot
Memory	Up to 4 DIMMS, DDR5 up to 4400 MT/s
Storage Controller	Embedded Intel VROC SATA Choice of Gen10 Plus or Gen 11 HPE Storage Controller*
Management engine	iLO 6
Chassis	6.06 x 10.28 x 9.82 in (15.3 x 26.4 x 26.3 cm)
Targeted Workloads	On-Premises IT, ROBO Network Gateway & OEM Solutions, Remote Management

Meet the new HPE ProLiant DL145 Gen11

Manageable
75% less time¹
for remote servers

Compact
~50% smaller²
than DL385
16" vs 32"

Quiet
~ Less noise³
than a library

Resilient
-5°C to 55°C
High vibration
High dust

Secure
HPE Silicon Root of Trust,
iDevID,
Platform certificates,
TPM 2.0,
Self-encrypting drives
Chassis intrusion kit,
Bezel / Kensington lock

Adaptable
Edge ready
tabletop, wall
and cabinet



Dimensions with air filter
3.44 in X 15.13 in X 19.98 in
8.75 cm X 38.44 cm X 50.74 cm



1. Depth of DL145 vs DL365 (excl. air-filtration bezel).
2. 35db at 50% CPU load
3. Select configurations

HPE Gen10/Gen10 Plus EOL dates

Platform	EOL Date	DISC Date (Last General Order Date)
DL360 Gen10	01 May 2024	31 Dec 2024 (select SKUs)
DL380 Gen10	01 May 2024	31 Dec 2024 (select SKUs)
DL360 Gen10 Plus	01 Feb 2025	31 Jul 2025
DL380 Gen10 Plus	01 Feb 2025	31 Jul 2025
SY480 Gen10	30 Jun 2023	30 Apr 2024
SY480 Gen10 Plus	30 Dec 2023	31 Jul 2024



HPE ProLiant Compute Gen12 1P Servers- Efficient Compute

1U/1P affordable on-premise solution to serve traditional enterprise customers in SMB, RoBo, Federal and OEM business, with leadership in sustainability, computing power, expandability, RAS, and uncompromised security in software defined compute, data collection/management, and cold storage

- Intel **Sierra Forest-SP & Granite Rapids-SP** with **16 DIMM slots** (16GB-256GB capacity)
- Chassis options for **up to 8xEDSFF** (in GPU front chassis); or (with triple-drawer) **12xLFF**
- **Greater drive modularity** than prior gen
- PCIe Gen5 slots; Optional front OCP NIC or Controller add-in cards
- Up to 4 single-wide (SW) or 2 double-wide (DW) GPUs in front
- Redundant Open Compute Project-standard “M-CRPS” Power Supplies



DL320 Gen12

2U/1P rack server for best-in-class power efficiency & expanded modularity for diverse enterprise data center use cases, to include Software-defined Storage and Content Delivery Networks

- Intel **Sierra Forest-SP & Granite Rapids-SP** with **16 DIMM slots** (16GB-256GB capacity)
- Chassis options for up to 24 SFF; 24 EDSFF; or 12 HDD
- PCIe Gen5 slots; Optional front OCP NIC or Controller add-in cards
- GPU: Up to 8 SW and 4 DW
- Redundant Open Compute Project-standard “M-CRPS” Power Supplies



DL340 Gen12



DL3X5 Gen11 Turin CPU drop-in SKU Stack

128C	360W	9754
112C	340W	9734
96C	360W	9654/P
84C	290W	9634
64C	360W 280W	9554/P 9534
48C	360W 290W	9474F 9454/P
32C	320W 280W 210W	9374F 9354/P 9334
24C	320W 200W 200W	9274F 9254 9224
16C	320W 200W	9174F 9124



DL3x5 Gen11 family

Genoa/Bergamo

SP5 Socket CPU Stack

*NEW SKUs

160C	390W	9845
144C	390W	9825
128C	400W	9745



New >128 Core SKUs
Up to 160C per socket

96C	400W 320W	9655/P 9645
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72C	400W	9565
64C	360W 400W 300W	9555/P 9575F 9535



New 64 Core SKU, Optimized for GPU head node on AI platforms

- Highest Fmax (~5GHz) to help boost performance on multiple single threaded processes (e.g. python runtime) for AI workloads.
- 400W, up to 256MB L3 Cache
- Speed up execution time for the slowest process in GPU system workflow

48C	400W 300W	9475F 9455/P
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36C	300W	9365
32C	320W 280W 210W	9375F 9355/P 9335

24C	320W 200W	9275F 9255
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16C	320W 200W	9175F 9135
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	125W	9115
8C	125W	9015



New 8C/16C low TDP entry SKUs

Turin

HPE Server Management



HPE Compute Management portfolio

Optimized server management solutions to address a variety of customer requirements

HPE OneView

On premises

Infrastructure management software that provides composable solutions across compute, storage, and networking

or

HPE GreenLake for Compute Ops Management

SaaS

Lifecycle management for all servers, from edge to cloud, delivered as a secure SaaS application continuously managed and improved by HPE

HPE GreenLake for Compute Ops Management OneView Edition

SaaS

HPE iLO

Advanced

server management that enables customers to securely configure, monitor and update single HPE servers



HPE GreenLake

Platform
services

Connect

Networking
SD-WAN, switched,
wireless

Process

Computing
Rack-mount, HCI,
HPC, super-computer

Protect

Storage
Block, file, object,
backup & recovery

Orchestrate

Workload
VMs, containers,
bare metal

**One unified platform to run, manage and secure
your distributed enterprise**

<https://common.cloud.hpe.com>

Key automations and integrations

Automations

Email alerts

Set up email notifications for critical hardware alerts

Automatic HPE support case creation

Enables faster resolution of critical issues and reduces the risk of unplanned outages

Tag-based server provisioning

Assign compute device tags to enable group policies for configurations, OS installs, BIOS settings and more

Automatic iLO firmware upgrades

Keep firmware up to date to support new features; without service disruption

Integrations

ServiceNow integration

Enables automatic creation of a ServiceNow incident ticket when iLO notifies Compute Ops Management that a hardware-related service event occurred

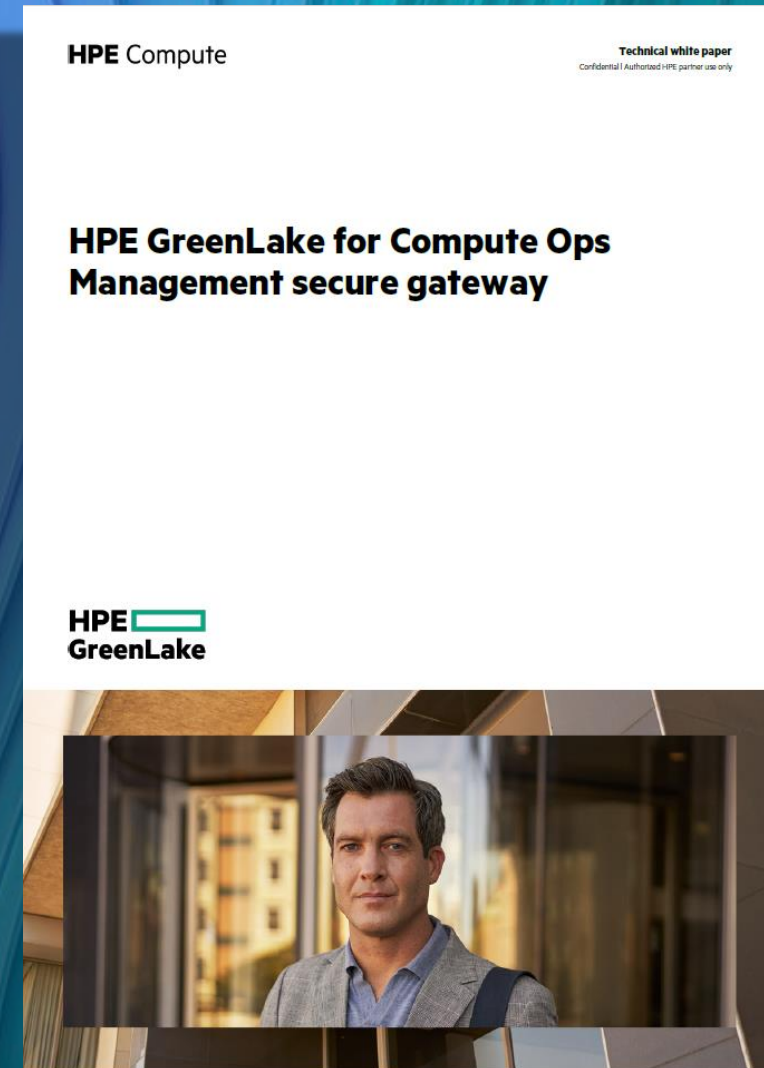
VMware lifecycle management HSM integration

Allows for seamless updating of firmware and drivers on HPE ProLiant servers managed through VMware vCenter

Webhooks integration

Enables automatic event triggering from connected apps that notify other tools and services of the event and initiates pre-defined task operations

Technical Whitepapers



Next steps

See a demo today

Just ask your sales rep to walk you through a [**live set up**](#)

Share with colleagues

[**Explainer video**](#) | [**What's new**](#) (includes firmware demo)

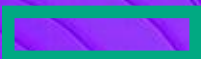
Check out the savings

[**Forrester TEI study**](#) | [**ROI calculator**](#)

Try it out

[**90-day trial license**](#), for up to 10 servers

[**hpe.com/info/COM**](https://hpe.com/info/COM)





Thank you

