



HPE ProLiant Compute engineered for your hybrid world



September 2025

Top challenges for enterprises

Infrastructure & Security



Downtime due to server issues

59.7%

Inability to remotely access servers

50.4%

Inability to update firmware and security patches quickly

41.2%

Efficiency & Time to Market



Time-consuming and expensive process to get staff to edge locations

57.5%

Server issues delaying development and deployment of new apps

46.5%

Resources & Budget



Limited IT resources (time, money)

58.8%

Difficult to budget for scale and growth

47.8%

Lack of centralized tool for management

32.3%

Compelling reasons to refresh

\$155k more in annual recurring costs² than modern generations

50% of servers are Gen9 or earlier¹ using

60% more power and cooling² and costing you

1: HPE ProLiant Gen11 UserEvidence Survey June 2024

2: Amortized annualizing a three-year savings calculation based on moving from 100 HPE ProLiant DL380 Gen9 to HPE ProLiant Compute Gen12. Values are estimates.

HPE ProLiant Compute Family

engineered for your hybrid world



Secured

Next-level security

with robust, security-first design, and built with multi-layered protection for now and for future threats

Optimized

More performance, and efficiency

with the economics that deliver tailored solutions to power workloads from VDI to AI

Automated

Automated, AI-driven productivity

with proactive and predictive automation from data center to edge, leveraging a single management solution

HPE ProLiant Compute

Engineered for your hybrid world



Secured

Next-level security

- **Industry-only** with advanced silicon security with custom-built ASIC
- **Industry-only** future-proof quantum threat protection*
- **Industry-only** to meet stringent federal security requirements*

Optimized

More performance and efficiency

- **Record breaking** performance, AI optimized server for fine-tuning and inference
- **Most world records** for AI inference performance benchmarks
- **Decades of innovation** and leadership offers an advantage with today's high performance and AI workloads

Automated

AI-driven productivity

- **Single console** for cloud-based operations management
- **Secure agentless connection** to servers without extra complexity
- **Enterprise-grade** distributed management
- **Only HPE** offers an in-house virtualization solution with HPE Morpheus VM Essentials

Next-level security

A smiling man with glasses is working at a computer in an office setting. He is wearing a dark sweater and a lanyard. The background shows office equipment and a window with blinds.

Multi-layered protection

Meets FIPS 140-3 Level 3 requirements

Quantum resistant support

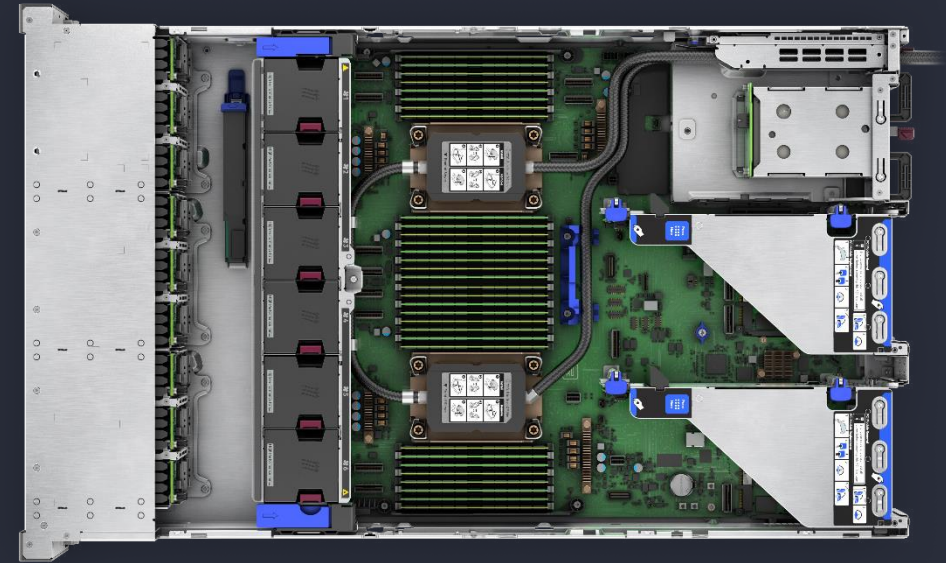
Trusted supply chain at rack level

New HPE iLO 7 delivers additional layer of protection

HPE builds on industry-leading security innovation

NEW!

Secure enclave is an **independent security processor** for multi-layered protection with new hardware-based vault within **HPE iLO 7**



Unparalleled, tamper-resistant protection for keys, passwords and security configuration, especially important to fortify vulnerable edge environments

Be ready for future security standards, now

First industry standard servers to meet the requirements for FIPS 140-3 Level 3 and will be pursuing certification, attained through the HPE iLO 7 with secure enclave*

First server to support NIST and CNSA 2.0 quantum resistance requirement with secure firmware signing against future quantum computing attacks*



HPE delivers the industry **leading** security from **chip-to-cloud**

Physical threats

Supply chain transitions

Chassis intrusion

Chip clipping

Unsecured edge locations

Future threats

Quantum computing

Third-party risks

Artificial intelligence

Centralized, cloud experience
to automate lifecycle tasks

Proactive security management

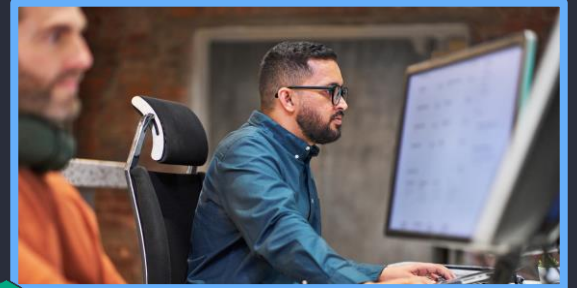
Industry-only top-tier security
FIPS 140-3 Level 3 certification

Industry-only future-proof
quantum threat protection

Tamper-resistant
Secure Enclave

Advanced silicon security
Immutable silicon-based boot

Trusted supply chain



Next level software security



Next level hardware security



Security starts at the factory

More performance and efficiency

A rowing team of eight athletes in a green boat is shown on a blue lake. The athletes are wearing red and yellow singlets and are in a synchronized rowing motion. The water is dark blue with whitecaps, and the background shows a hazy shoreline with trees and hills under a clear sky.

Consolidate and save

AI-optimized server platforms

World record performance

Superior cooling efficiency

More performance and efficiency

The most compelling case for server refresh yet

Up to **90%**
license savings with
**HPE Morpheus VM
Essentials Software⁷**



Workload sizing, reference architectures,
validation to achieve targets sooner
ADVISORY & PROFESSIONAL SERVICES



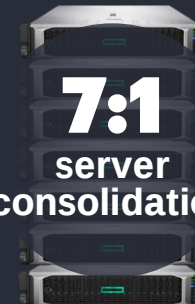
26:1
server
consolidation

Gen8¹



14:1
server
consolidation

Gen9²



7:1
server
consolidation

Gen10³



6:1
server
consolidation

Gen10 Plus⁴



Latest processors

Power savings per year (up to)⁵

84%

61%

65%

50%

SPEC and the names SPECrate are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The stated results [SPECrate2017_int_base: #36693 (1), #36691 (2), #20893 (3), #37007 (4)] are published as of 01-01-2025, see spec.org, and compared against a 48-core estimated Gen12 system. All rights reserved. (5) Power savings based on the Thermal Design Power of the systems. (6) VM software savings per term of the license. Virtualization savings analysis based on core-based license costs savings is a comparison of HPE Morpheus VM Essentials Software versus VMware vSphere Foundation. Savings do not include discounts and subject to change without notice, see as at April 9th 2025. The calculations were made by comparing to a Gen12 with 48 cores per socket. (7) (8) The performance per watt advantages are based on internal power and performance measurements on similar configured high energy efficient servers and compared against an estimated 86-core Gen12 system.

Cost saving estimations of refreshing now!

Aging servers may still be working, but at what cost?

Refreshing from Gen10 to Gen12



Consolidating **100** HPE ProLiant DL380 Gen10 to **15** HPE ProLiant Compute DL380 Gen12



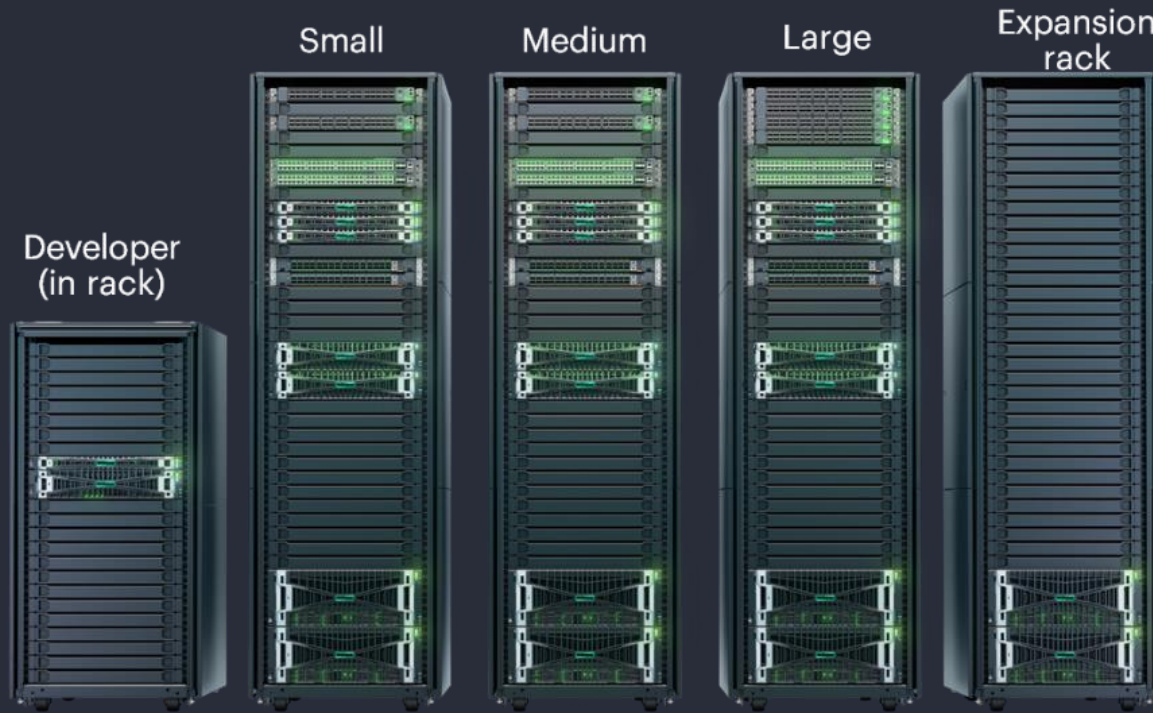
Try HPE ProLiant Savings Estimator today:
HPE.com/ProLiant/savings



Fund the refresh and drive circularity
HPE FINANCIAL SERVICES

Amortized annualizing a three-year savings calculation, replacing 100 hundred HPE ProLiant DL380 Gen10 with 15 HPE ProLiant DL380 Gen12. Rack units calculated based on HPE server specifications and savings estimated at \$25 per rack unit per month. Maintenance and support costs based on HPE pricing. Power cost and savings is an estimate of national average (IIRC) and on the Thermal Design Power of the systems. Values validated by Enterprise Services Group (ESG) validation study. SPEC and the names SPECrate are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The stated results [SPECrate2017_int_base: #36693 (1), #36691 (2), #20893 (3), #37007 (4)] are published as of 01-01-2025, see spec.org, and compared against a 48-core estimated Gen12 system. All rights reserved.

NVIDIA AI Computing by HPE



Build, deploy, and implement AI solutions
HPE AI SERVICES

HPE ProLiant AI-optimized servers power HPE Private Cloud AI

Eight new world records on top of 23 world records



HPE ProLiant DL380a Gen12



HPE ProLiant DL384 Gen12



HPE ProLiant DL385 Gen11

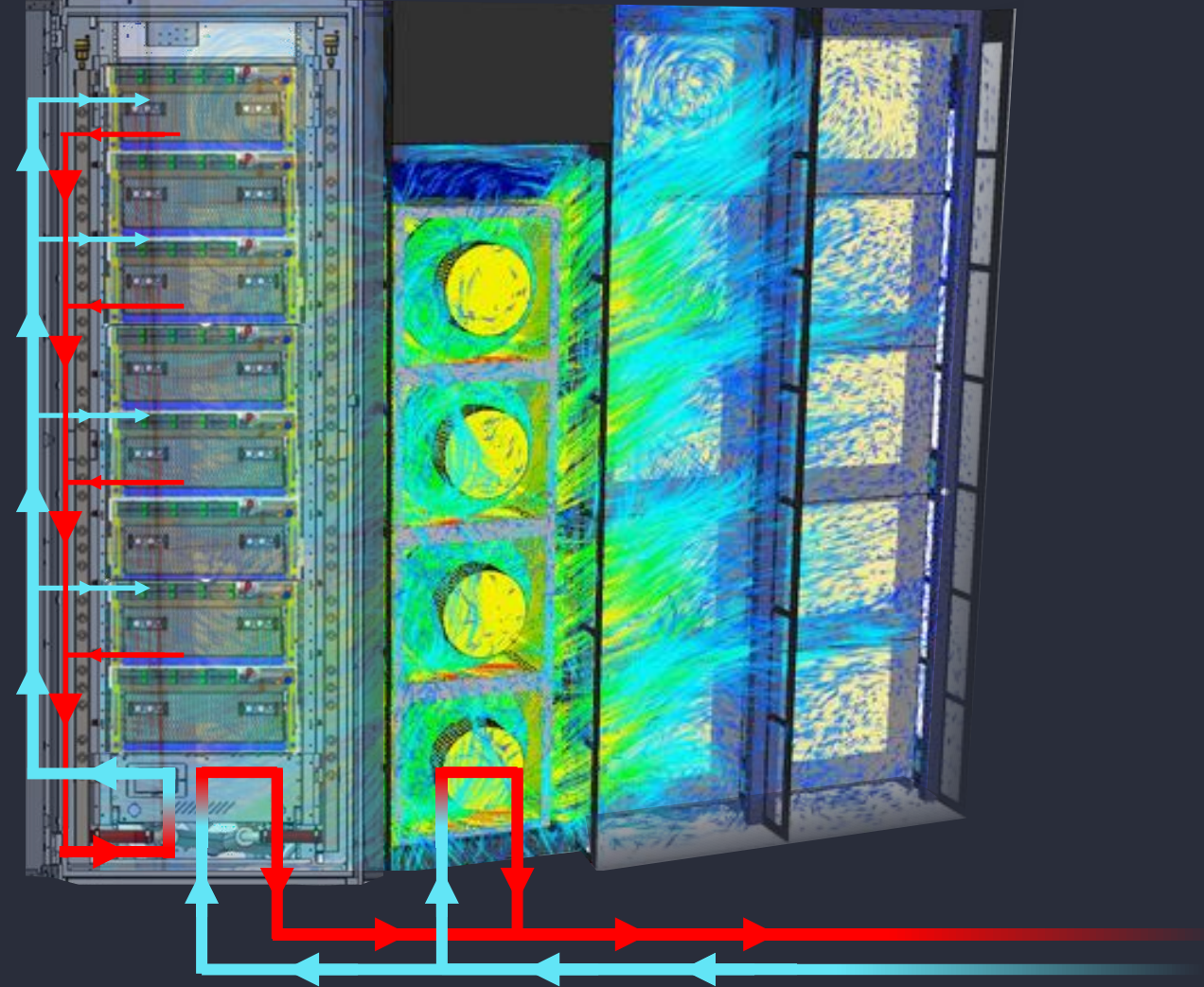


Industry leader in direct liquid-cooling

Bringing decades of innovation and expertise from exascale to the edge

#1, #2 & #3 world's fastest
direct-liquid cooled supercomputers

11 of the world's top 20
most energy-efficient direct
liquid-cooled supercomputers



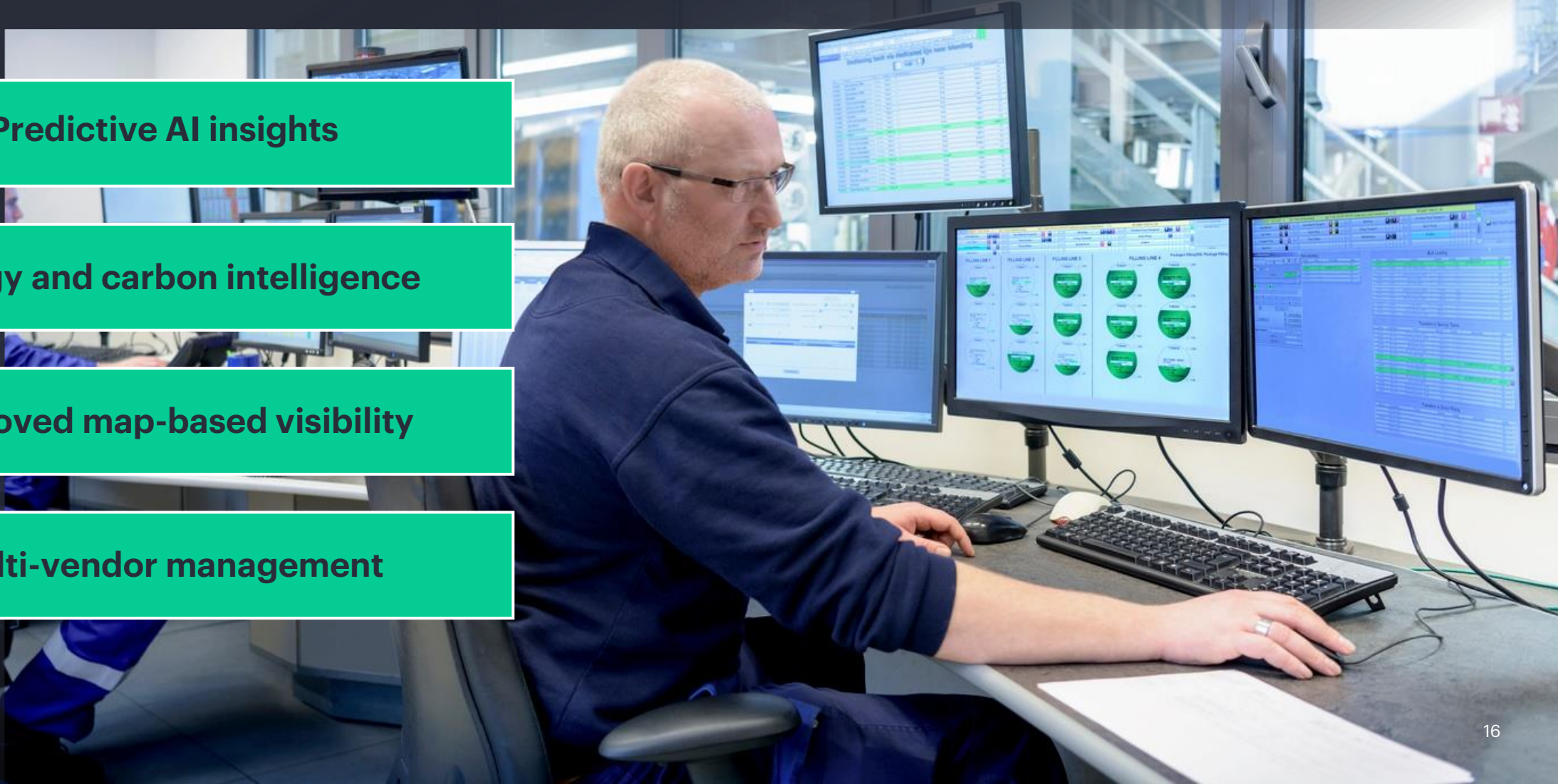
Automated, AI-driven productivity

Predictive AI insights

Energy and carbon intelligence

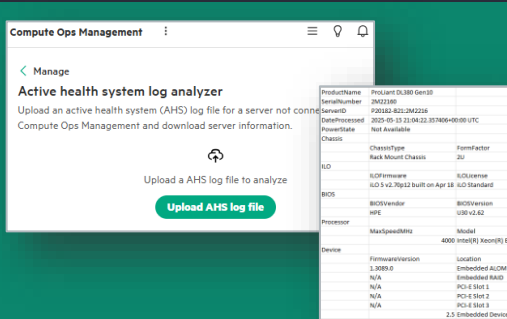
Improved map-based visibility

Multi-vendor management



Streamline IT operations, everywhere

Gain new insights



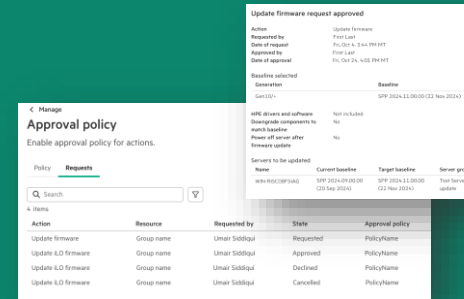
Expedite root cause analysis of server AHS files

Reduce complexity



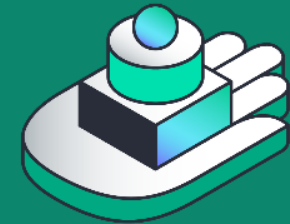
Seamless multi-vendor server monitoring

Enhance security



AI-driven insights with workflow policy approvals

More uptime



De-risk adoption and speed time to value



HPE COMPUTE OPS MANAGEMENT



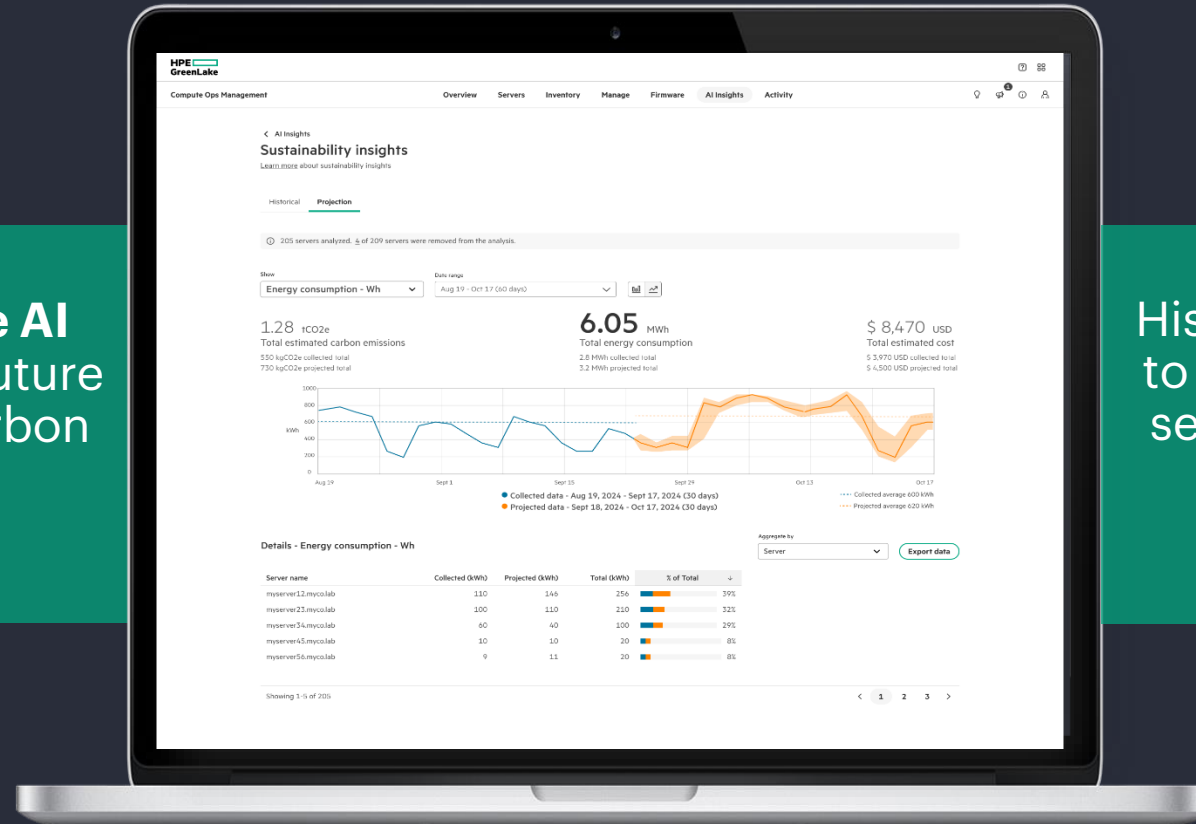
HPE TECH CARE

HPE COMPLETE CARE

Predictive AI insights for energy and carbon emissions

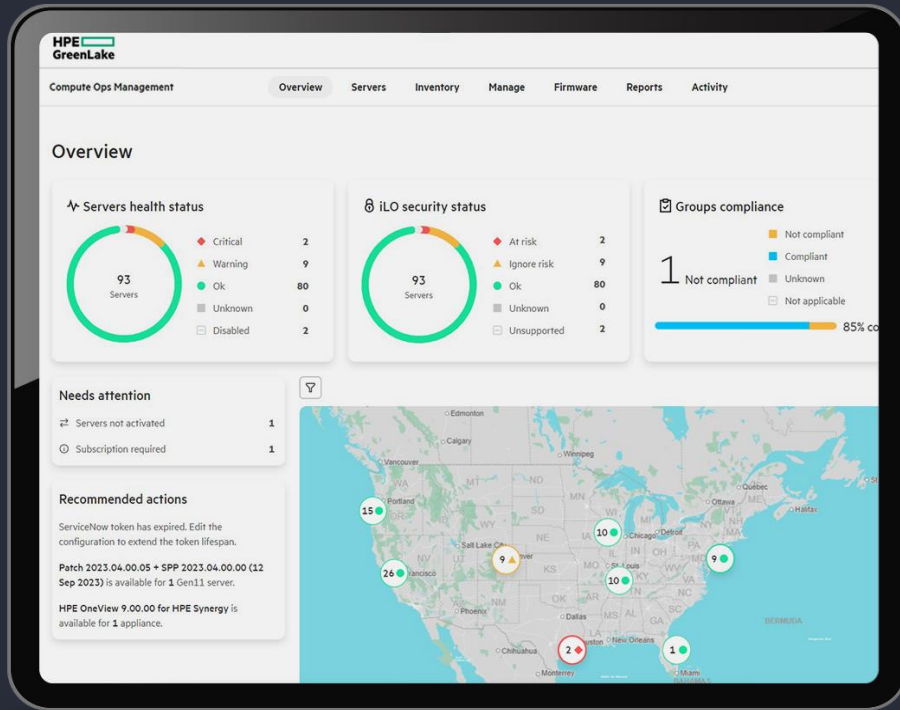
HPE Compute Ops Management

Leverage **predictive AI insights** to forecast future energy costs and carbon emissions with confidence

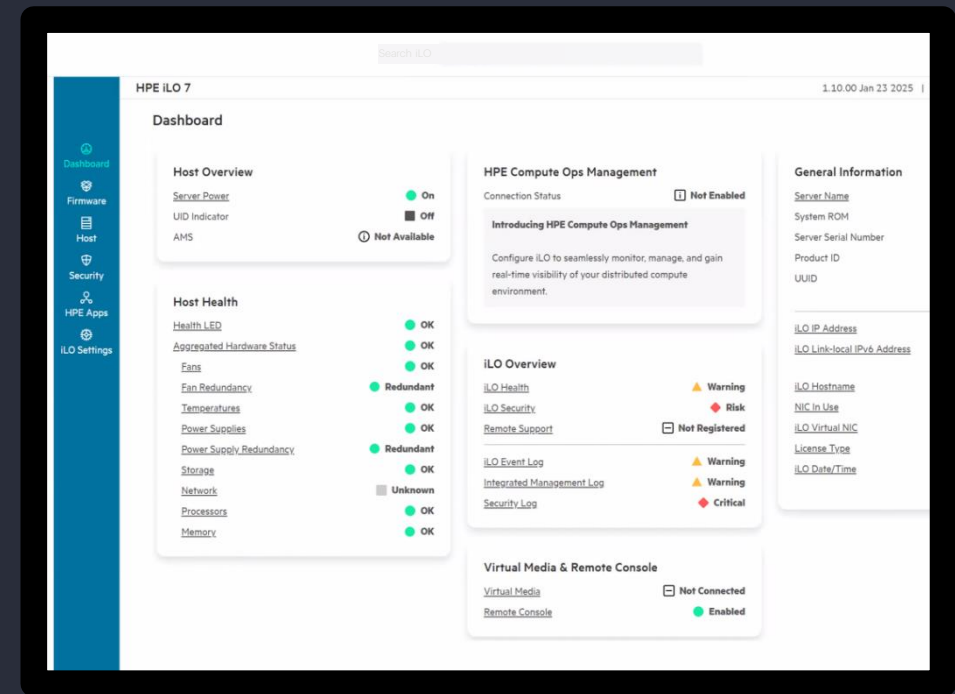


Historical data is analyzed to provide predictions on server utilization, to help **achieve energy and emissions goals**

Enabling operators with greater intelligence & control



Improved map-based visibility
with **HPE Compute Ops Management**



Faster, smoother user experience
with new **HPE iLO 7**

Up to 30% decreased system boot up time and
3x faster virtual media operations for enhanced usability*

* Internal HPE Testing as January 27th, 2025 comparing HPE iLO 7 versus HPE iLO 6.

HPE Compute Ops Management

Industry's best management

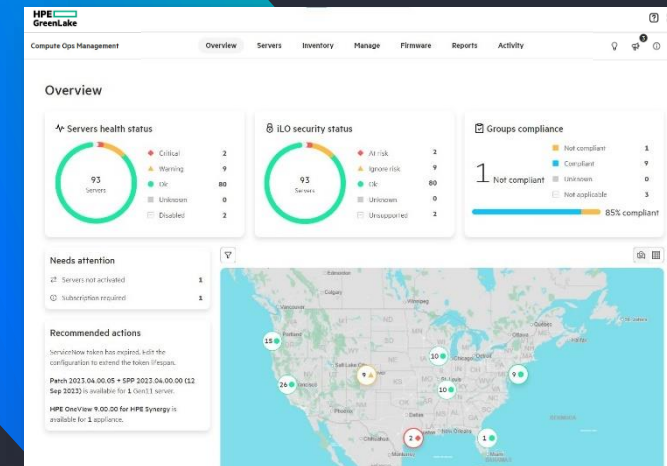
Secure servers proactively with policies & best practices

Automate tasks globally with AI-driven insights & operations

Up to
75%
less time spent
managing
servers²

Up to
4.8 hours
less downtime
per server per year²

Up to
\$152K
travel and software
costs saved over 3
years²



- Secure connection to servers without extra complexity**
- Single console for robust cloud operations management**
- Enterprise-grade distributed management**
- Managed Service Provider mode**



Faster access to specialized expertise
HPE TECH CARE & COMPLETE CARE

² A commissioned study conducted by **Forrester Research**, New Technology: The Projected Total Economic Impact™ of HPE Compute Ops Management, June 2024. Results are for a composite organization.

HPE Services — speed time to value

De-risk adoption & keep security in operation

Get more from your IT with an AI powered and digitally enabled service with **HPE Tech Care**

Accelerate time-to-value

Advisory & Professional Services + **Installation Services** to realize modernization gains faster.

Assure Day-2 productivity & SLAs

Optimize your entire IT environment with **HPE Complete Care**

Flexible economics & sustainability

HPE Financial Services to fund the refresh and drive circularity;
HPE GreenLake for IT consumption.

Upskill teams & drive adoption

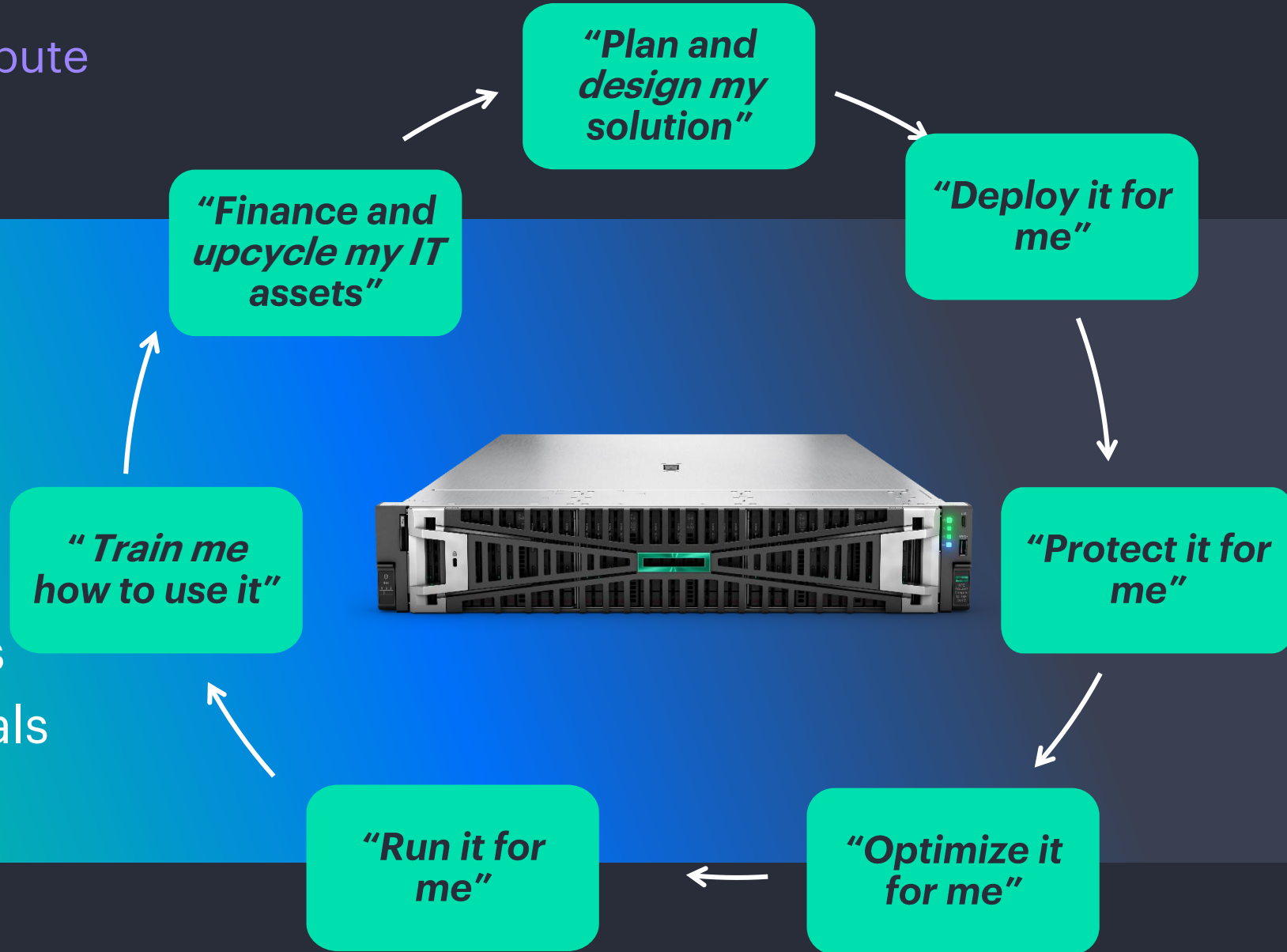
HPE Education Services to reduce time-to-proficiency and standardize best practices across operations.



HPE Services

Get the most out of your compute

7x24x365
24 time zones
30+ languages
10 Global IT ops centers
Delivered in 150+ countries
15,000+ services professionals



HPE ProLiant Compute Gen12

AI optimized



4U, 2P
HPE ProLiant Compute DL380a Gen12
Ten NVIDIA RTX PRO™ 6000 or H200 NVL



2U, 2P
HPE ProLiant Compute DL384 Gen12
NVIDIA GH200 NVL2

TCO/Power optimized



1U, 1P
HPE ProLiant Compute DL320 Gen12
Intel Xeon 6 processor



2U, 1P
HPE ProLiant Compute DL340 Gen12
Intel Xeon 6 processor

Density optimized



1U, 2P
HPE ProLiant Compute DL360 Gen12
Intel Xeon 6 processor



2U, 2P
HPE ProLiant Compute DL380 Gen12
Intel Xeon 6 processor

Blade optimized



HPE Synergy SY480 Gen12
Intel Xeon 6 processor

VM/Data optimized



1U, 1P
HPE ProLiant Compute DL325 Gen12
5th Gen AMD EPYC processor



2U, 1P
HPE ProLiant Compute DL345 Gen12
5th Gen AMD EPYC processor

Big Data optimized



4U, 4P
HPE ProLiant Compute DL580 Gen12
Intel Xeon 6 processor

SMB/Edge optimized



2P Tower
HPE ProLiant Compute ML350 Gen12
Intel Xeon 6 processor



HPE ProLiant Compute Family

engineered for your hybrid world



Secured

Next-level
security

Optimized

More performance,
and efficiency

Automated

Automated,
AI-driven productivity



hpe.com/ProLiant

Appendix

HPE Complete Care Service

Comprehensive IT environment service, including IT operations management, sustainability reporting, and expert support



Personalize your experience

Work with an assigned team who will be experts on your environment and focused on your outcomes

Optimize your outcomes

Do more for less by optimizing your time, technology, and decision-making processes

Personalize



Optimize



Transform

Transform your IT

Decrease incidents and achieve measurable success

Optimize your IT environment

Gain full visibility of your multivendor IT environment and proactively reduce downtime

HPE Tech Care Service

**Best in-class server expertise
with leading edge digital
support and service levels
designed to meet your
business needs**



Minimize your downtime

When speed and reliability matter, trusted HPE experts deliver fast and accurate results

Increase your productivity

HPE Support Center wields the power of AI to simplify & optimize IT management

Expertise



Reliable Outcomes



Optimal Performance

Maximize your investment

HPE Support Center helps safeguard systems from potential threats and business risk

Increase your ROI

HPE Support delivers tangible business results to your bottom line

HPE Tech Care service levels

Basic

For systems with tolerance for downtime or with no operational impact

9x5 standard remote
2-hr Direct to Specialist
Next business day onsite

Essential

For systems sensitive to downtime supporting standard business operations

24x7 enhanced remote
15-min Direct to Specialist
4-hr onsite response

Critical

For business-critical systems and revenue generating operations

24x7 enhanced remote
15-min Direct to Specialist
6-hr HW call to repair
+ Outage Management

Expert Chat

General Technical
Guidance

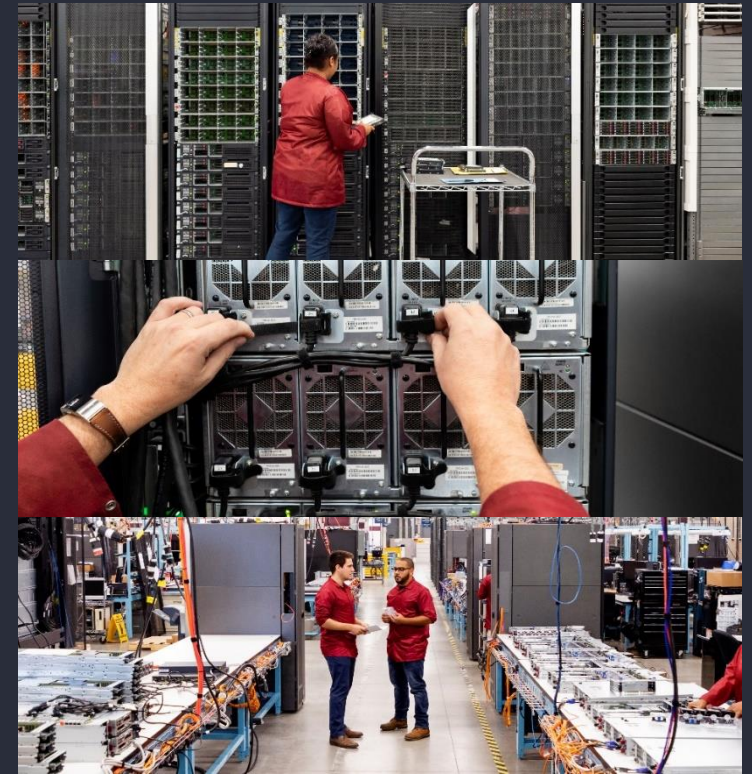
On-demand HPE Support Center
digital experience

Automated monitoring
and diagnosis

HPEFS IT Lifecycle Program

Modernize IT and achieve transformation goals with flexible financing and sustainable IT lifecycle solutions. Strategically plan, acquire, and consume technology with greater peace of mind

- **Acquire** latest HPE technology while bundling non-HPE hardware, software, and services into affordable monthly payments
- **Utilize** and track IT asset anytime, anywhere on the customer portal
- **Return end-of-use** IT assets and phase out older, less efficient equipment, sustainably
- **Create Smarter IT lifecycle solutions:**
 - Smarter **economics**—lower cost of usage compared to cash
 - Smarter **innovation**—enhance scalability, while aligning assets and financial plans with business goals
 - Smarter **sustainable IT**—prioritize re-use over recycle
- **HPE Circular Economy Report**—measures the environmental impact of your IT lifecycle management choices with a report of **carbon, energy**, and **landfill savings** as a result of remarketing and recycling IT assets



HPE Asset Upcycling Services

Recover value from any HPE or third-party workplace or data center technologies, in a secure, globally consistent, and environmentally responsible way. Companies utilizing HPE Asset Upcycling Services benefit from the ability to:

- **Prioritize re-use over recycle** benefits the environment and your bottom line
- **Refurbish and remarket** tech for a second useful life and enjoy revenue sharing capabilities
- **Trust in secure and consistent end-to-end logistics** on a global scale
- **Ensure compliance of data and regional regulations** with data cleansing, wiping and media destruction capabilities
- **Partner** with an expert team with 20+ years of IT asset lifecycle experience



HPE GreenLake

HPE ProLiant Compute Gen12 servers will be available with HPE GreenLake, offering easy scalability, cost efficiency, and service agility

Private and hybrid cloud

Cloud-native IaaS and SaaS

- Multi-vendor IT Ops management
- VMs, bare metal, containers, DevOps
- Hybrid, multi-cloud orchestration
- Block, Object, file storage
- Hybrid data integration
- Networks
- AI/ML, data analytics
- Backup and disaster recovery
- Ransomware protection

Flex solutions

Outcomes as a Service

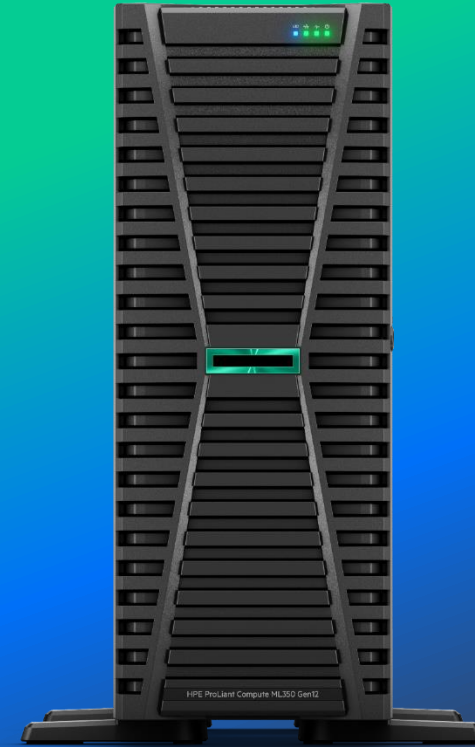
- Core compute
- Database
- Hyperconverged
- Business applications
- Edge compute
- Virtual desktop
- Virtualization
- And many more...

Technical Deep Dive



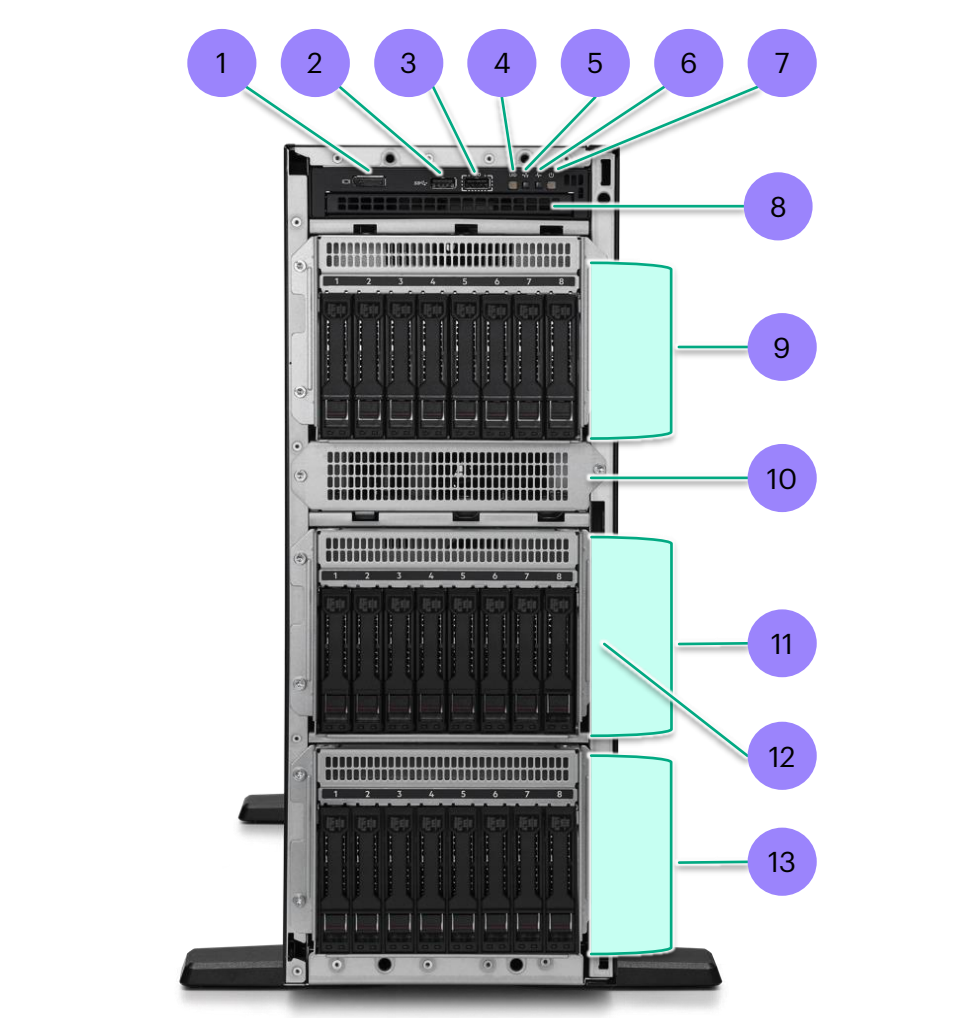
HPE ProLiant Compute ML350 Gen12

Formfactor	Dual socket tower, 28" chassis depth
Processor	Intel Xeon 6 processor, up to 86 cores per processor
Memory	Up to 8TB DDR5, 32 X DIMM slots
Storage	Up to 12x EDSFF or 8x SFF or 4xLFF drives
GPU	Up to 8 single-wide or 4 double-wide GPUs
I/O	Up to 10 x8 PCIe Gen5 slots; Up to 2 x16 OCP slots
Cooling	Air cooling with Standard/Performance Heatsink & Fan Kits; Up to 8 Fans
Management	iLO 7



Performance optimized server for
Edge, and SMB

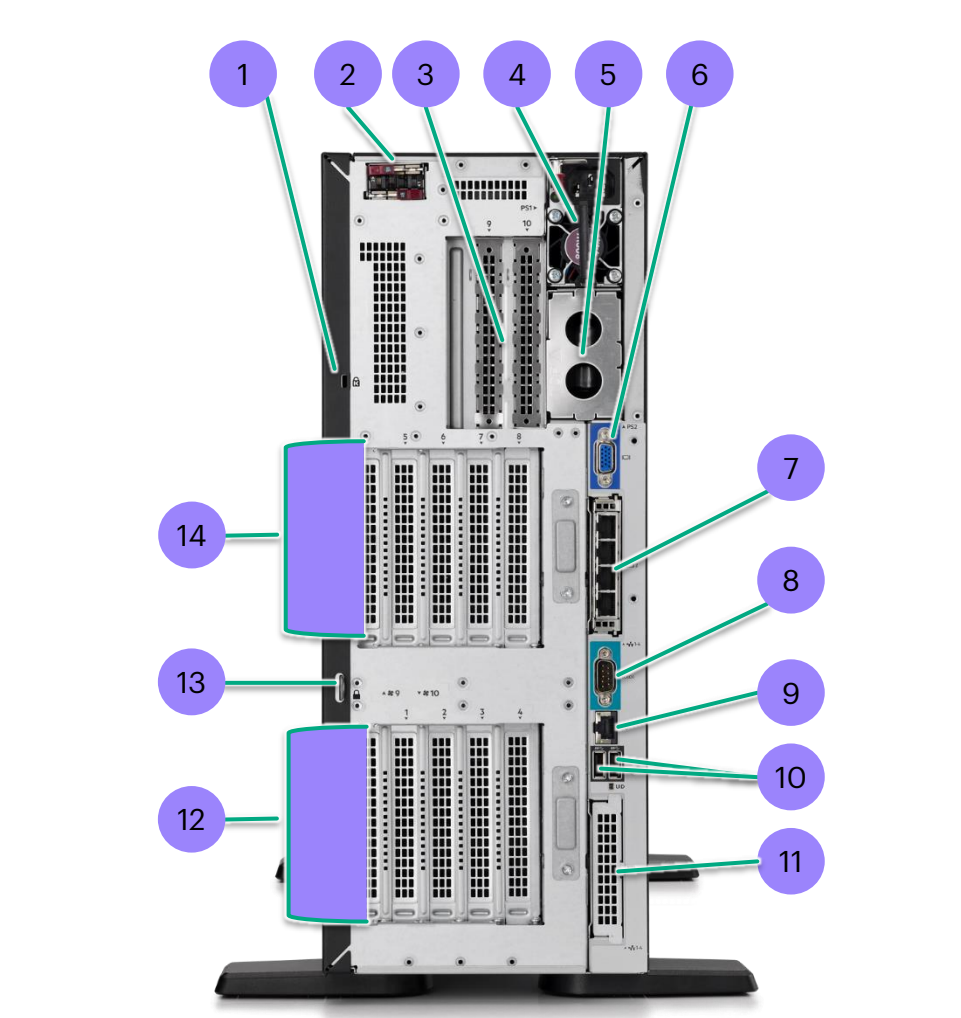
HPE ProLiant Compute ML350 Gen12



Front view

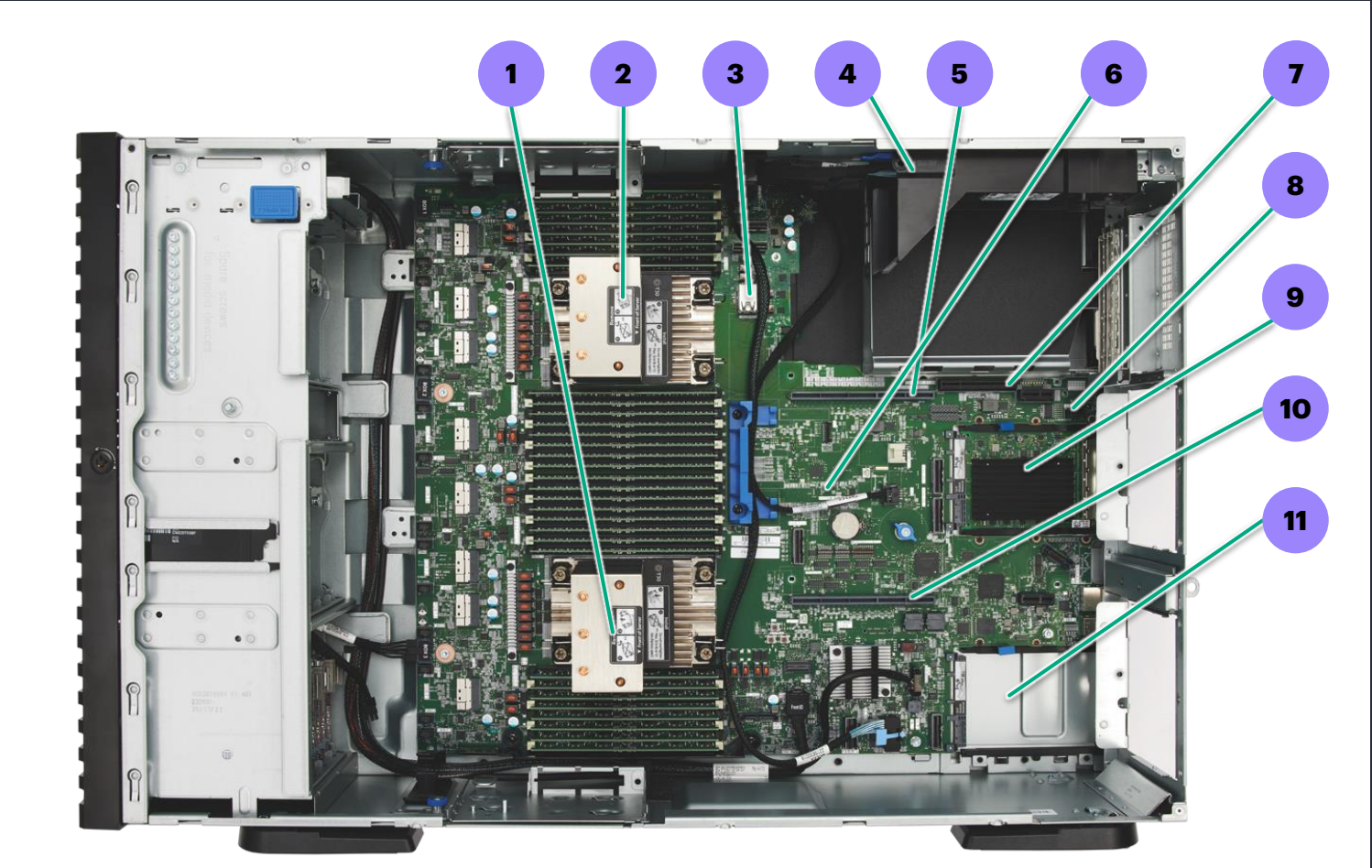
1. DisplayPort 1.1a	2. USB 3.2 Gen1 port
3. iLO service port (Type-C)	4. UID button/LED
5. NIC status LED	6. Health LED
7. Power on/Standby button and system power LED	8. Optical drive bay
9. Box1: Optional drive cage for x1 or x2* or x4* 8SFF/4LFF, or LTO /RDX docking station	10. NS204i-u (Front)** ; Media bay filler panel (reserved to LTO /RDX docking station)
11. Box2: Optional drive cage for x1, x2 or x4 8SFF/4LFF	12. Serial number/iLO information pull tab
13. Box 3: Optional drive cage for x1, x2 or x4 8SFF /4LFF /EDSFF	

HPE ProLiant Compute ML350 Gen12



Rear view	
1. Kensington security slot	2. HPE NS204i-u Gen11 NVMe Hot Plug Boot Device (Optional)
3. PCIe Slots 9-10 (Optional tertiary riser, 2nd processor required)	4. Flexible Slot power supply 1
5. Flexible Slot power supply 2 (Optional)	6. VGA Port
7. OCP B (Optional for NIC)	8. Serial port (Optional)
9. iLO management port	10. USB 3.2 Gen 1 ports x2
11. OCP A (Optional for OROC/NIC)	12. PCIe Slots 1-4 (Primary riser)
13. Padlock eye	14. PCIe Slots 5-8 (Optional secondary riser, 2nd processor required)

HPE ProLiant Compute ML350 Gen12



Internal view	
1. CPU1 socket with standard heatsink and (16) DDR5 DIMM slots	2. CPU2 socket with standard heatsink and (16) DDR5 DIMM slots
3. Dual USB port (Stacked, Top: USB 3.2 Gen1 port, Bottom: USB 2.0 port)	4. Megacell battery holder (Under)/ HPE NS204i-u (Upper)
5. Secondary riser connector (Optional)	6. HPE NS204i-u power connector
7. Tertiary riser sideband connector	8. Serial port cable connector
9. OCP B slot (Optional for NIC)	10. Primary riser connector
11. OCP A slot (Optional for OROC/NIC)	

HPE ProLiant Compute ML350 Gen12 comparison

	Gen12	Gen11
Rack	Dual socket tower, 28" chassis depth	Dual socket tower, 28" chassis depth
Processor	Intel Xeon 6 processor up to 86 P-cores	4 th /5 th Gen Intel Xeon Scalable processor
Memory	Up to 8TB DDR5, 32 X DIMM slots	Up to 8TB DDR5, 32 X DIMM slots
Storage	Up to 12LFF HDD/SSD; SAS/SATA Up to 24SFF HDD/SSD; SAS/SATA/x1NVMe Up to 16SFF x4 NVMe SSD* Up to 24SFF x4 NVMe SSD with x2 DA cable Up to 12EDSFF 3.S 1T	Up to 12LFF HDD/SSD; SAS/SATA Up to 24SFF HDD/SSD; SAS/SATA/x1NVMe Up to 12EDSFF 3.S 1T
GPU	Up to 8 single-wide or 4 double-wide GPUs	Up to 4 single-wide or 2 double-wide GPUs
I/O	Up to 10 x8 PCIe Gen5 slots; Up to 2 x16 OCP slots	Up to 10 x8 PCIe Gen5 slots; Up to 2 x16 OCP slots
Cooling	Air Cooling	Air Cooling
Management	iLO7	iLO6

HPE ProLiant Compute DL320 Gen12

Formfactor 1U/1P Rack

Processor Intel Xeon 6 processor, up to 144 cores

Memory Up to 4TB DDR5, 16 X DIMM slots

Storage Up to 20x EDSFF or 8x SFF or 12xLFF drives

GPU Up to 4 single-wide or 2 double-wide GPUs in front

I/O Up to two PCIe Gen5 slots, and front or rear OCP

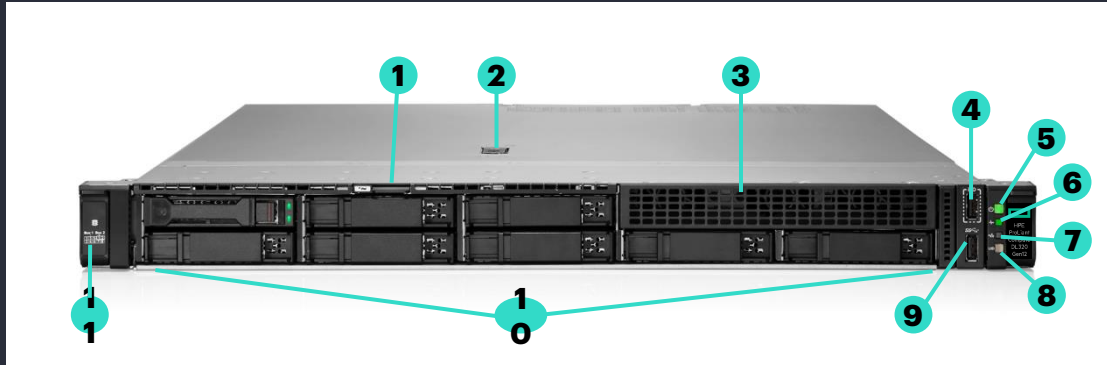
Cooling Air and Closed Loop Liquid Cooling

Management iLO 7



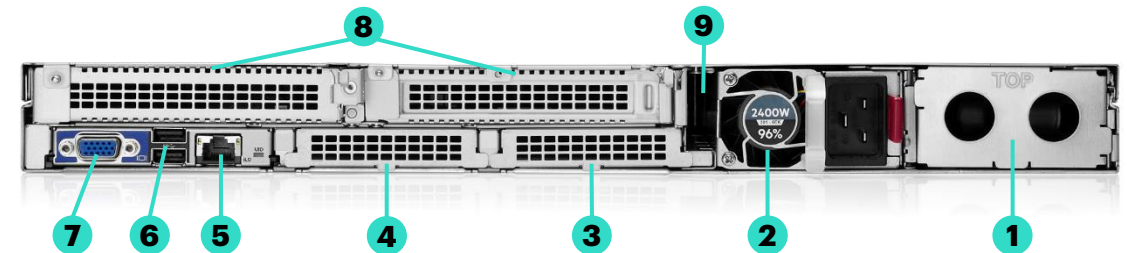
Cost / power optimized server
for VDI, Virtualization,
Containers, Hybrid Cloud

HPE ProLiant Compute DL320 Gen12

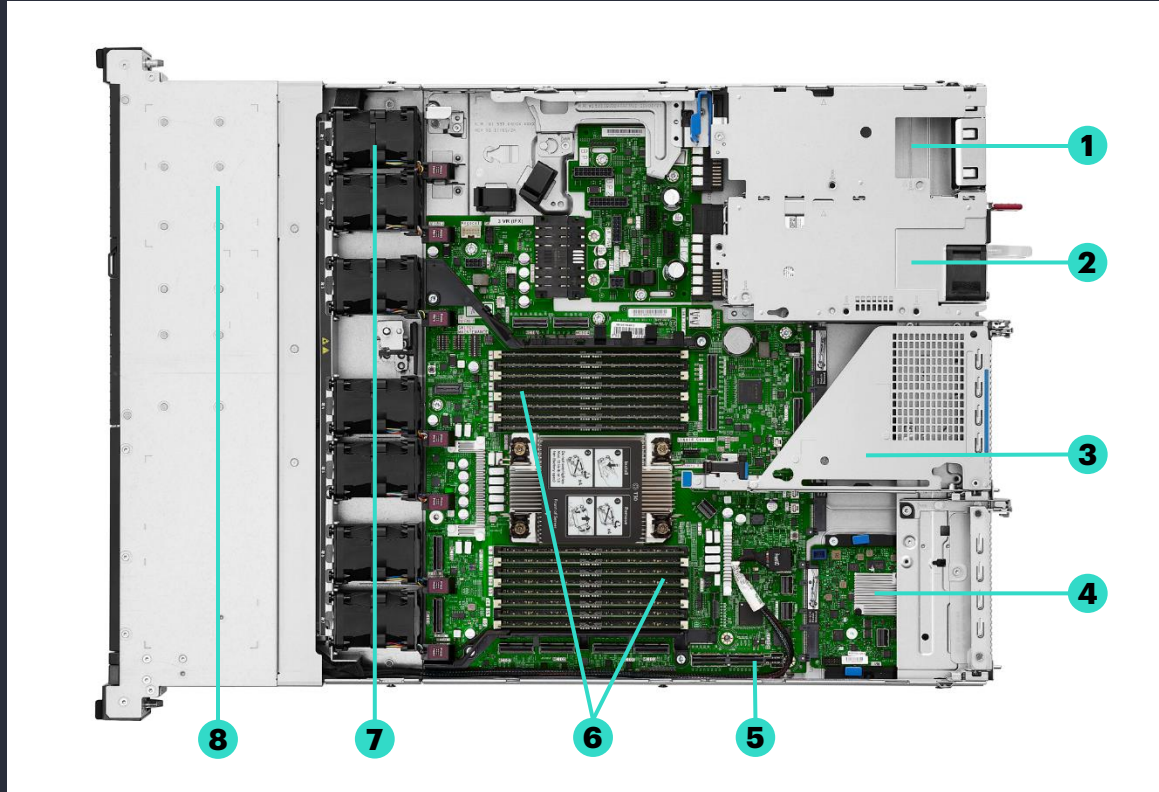


- | | |
|-------------------------------------|--------------------------|
| 1 Serial Number/iLO Tag | 7 NIC Status |
| 2 Quick Removal Access Panel | 8 UID Button/LED |
| 3 Drive Bay Blank | 9 USB 3.2 Port |
| 4 iLO Service Port | 10 SFF Drive Bays |
| 5 Power Button/Indicator | 11 Drive Bay Map |
| 6 Health LED | |

- | | |
|-----------------------------|---------------------------|
| 1 Power Supply Blank | 6 USB 3.2 Ports |
| 2 Power Supply | 7 VGA Port |
| 3 OCP B | 8 PCIe Slots |
| 4 OCP A | 9 Boot Device Slot |
| 5 iLO NIC Port | |



HPE ProLiant Compute DL320 Gen12



- 1** PSU Blank
- 2** PSU
- 3** Secondary Riser
- 4** DC-SCM Module
- 5** Primary Riser Slot
- 6** DIMM Slots
- 7** System Fans
- 8** Drive Bays

HPE ProLiant Compute DL320 Gen12 comparison

	Gen12	Gen11
Rack	1U/1P	1U/1P
Processor	Intel Xeon 6 processor up to 144 cores	4 th /5 th Gen Intel Xeon Scalable processor
Memory	Up to 4TB DDR5, 16 X DIMM slots	Up to 2TB DDR5, 16 X DIMM slots
Storage	Up to 20x EDSFF or 8x SFF or 12xLFF drives	Up to 8x EDSFF, or 8x SFF, or 12 LFF drives
GPU	Up to 4 single-wide or 2 double-wide GPUs (front)	Up to 4 single-wide or 2 double-wide GPUs (front)
I/O	Up to two PCIe Gen5 slots, and front or rear OCP	Up to two PCIe Gen5 slots, and rear OCP
Cooling	Air and Closed Loop Liquid Cooling	Air Cooling
Management	iLO7	iLO6

HPE ProLiant Compute DL325 Gen12

Formfactor 1U/1P Rack

Processor 5th Generation AMD EPYC™ processors up to 192 cores

Memory Up to 6TB, DDR5 up to 5200 MT/s, 24x DIMM slots

Storage Up to 4LFF, 10 SFF, 20 EDSFF drives

GPU Up to 4 single-wide or 2 double-wide GPUs

I/O Up to six PCIe Gen5 slots and two OCP

Power Supplies Two power supplies, up to 2400W

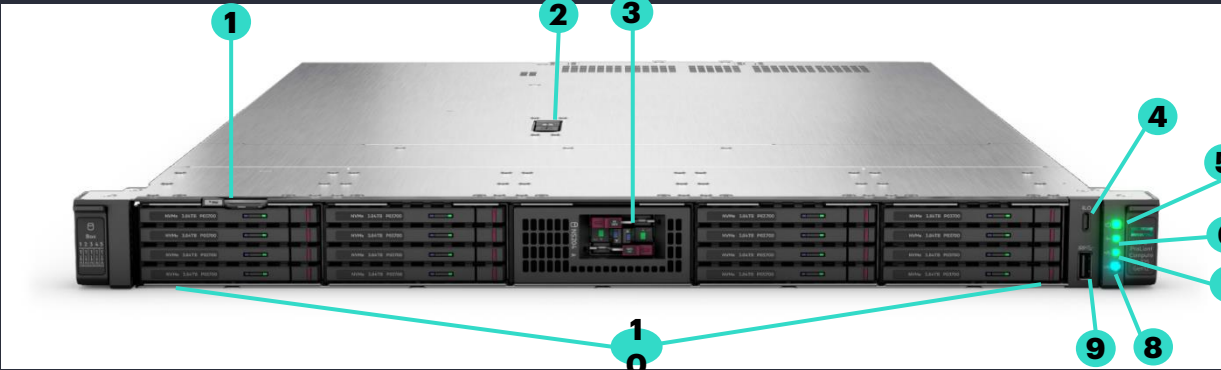
Cooling Air cool, Closed loop liquid cooling, Direct liquid cooling*

Management iLO 7



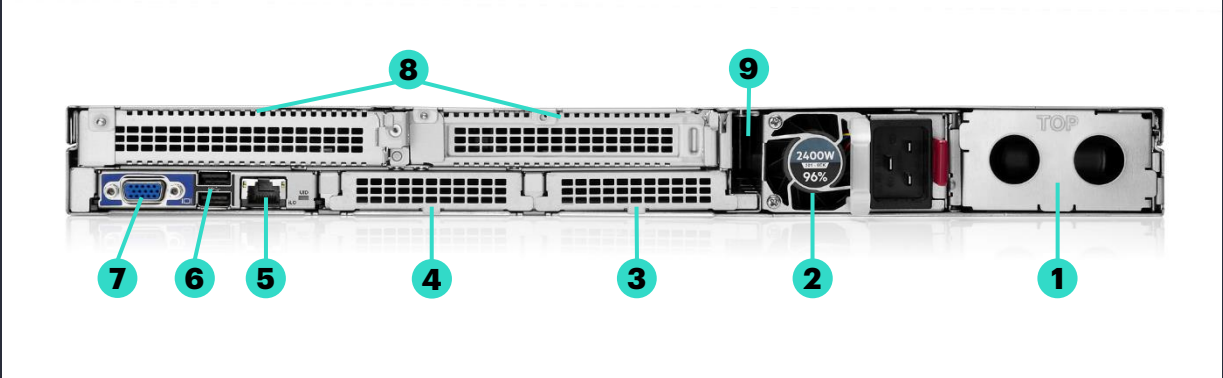
Compact and TCO-optimized solution, ideal for Hybrid Cloud, Container, and Virtualization

HPE ProLiant Compute DL325 Gen12

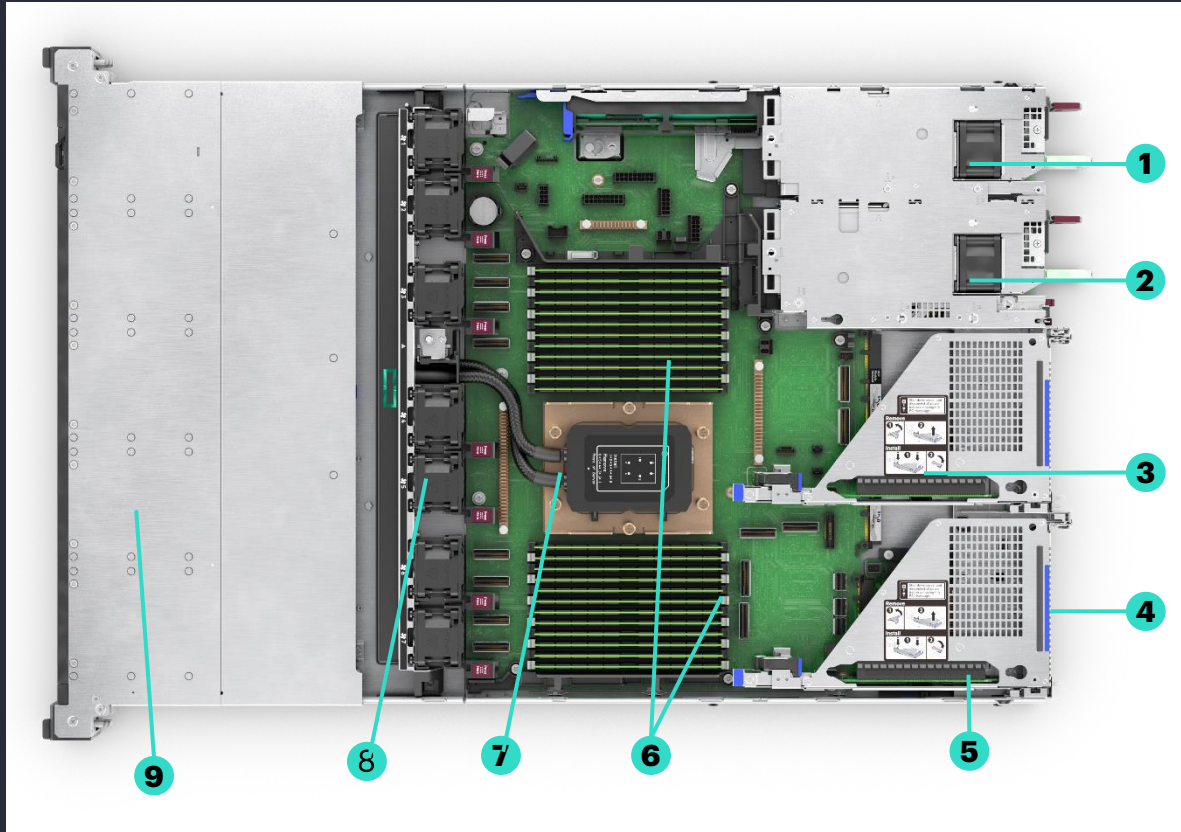


- | | |
|-------------------------------------|-------------------------|
| 1 Serial Number/iLO Tag | 6 Health LED |
| 2 Quick Removal Access Panel | 7 NIC Status |
| 3 optional front NS204i-u | 8 UID Button/LED |
| 4 iLO Service Port | 9 USB 3.2 Port |
| 5 Power Button/Indicator | 10 Box 1 - 5 |

- | | |
|-----------------------------|---------------------------|
| 1 Power Supply Blank | 6 USB 3.2 Ports |
| 2 Power Supply | 7 VGA Port |
| 3 OCP B | 8 PCIe Slots |
| 4 OCP A | 9 Boot Device Slot |
| 5 iLO NIC Port | |



HPE ProLiant Compute DL325 Gen12



- 1 M-CRPS 1
- 2 M-CRPS 2
- 3 Default PCIe Slot2 x16 riser
- 4 DC-SCM Module
- 5 Optional PCIe Slot1 x16 riser
- 6 24 DIMM Slots
- 7 CPU & Heat Sink (Closed-loop Liquid Cooling Shown)
- 8 System Fans
- 9 Drive Bays

HPE ProLiant Compute DL325 Gen12 comparison

	Gen12	Gen11
Rack	1U/1P	1U/1P
Processor	5th Generation AMD EPYC™ processors up to 192 cores 500W	5th Generation AMD EPYC™ processors up to 160 cores 400W
Memory	Up to 6TB, DDR5 5200 MT/s, 24x DIMM slots	Up to 3TB, DDR5 6400 MT/s, 12x DIMM slots
Storage	Up to 4LFF, 10 SFF, 20 EDSFF drives	Up to 4LFF, 10 SFF, 20 EDSFF drives
GPU	Up to 4 single-wide or 2 double-wide GPUs	Up to 4 single wide or 2 double wide GPUs
I/O	Up to 4 PCIe Gen5 slots and 2 OCP – front capable	Up to 4 PCIe Gen5 slots and 2 OCP
Cooling	Air, Closed Loop Liquid Cooling, Direct Liquid cooling	Air, Closed Loop Liquid Cooling
Management	iLO7	iLO6

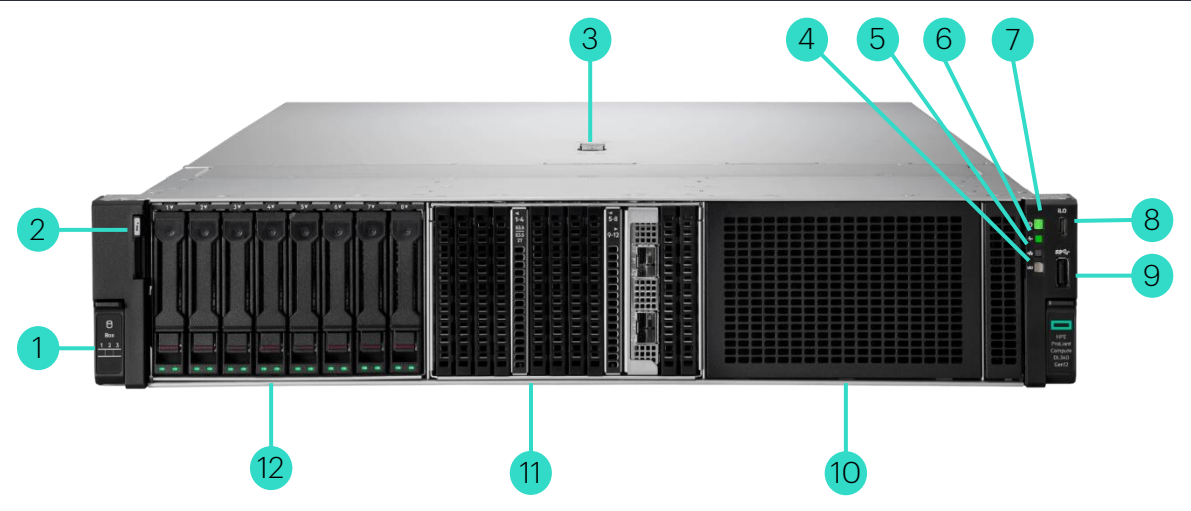
HPE ProLiant Compute DL340 Gen12

Formfactor	2U/1P Rack
Processor	Intel Xeon 6 processor, up to 144 cores
Memory	Up to 4TB DDR5, 16 X DIMM slots
Storage	Up to 20x EDSFF or 8x SFF or 12xLFF drives
GPU	Up to 6 single-wide or 4 double-wide GPUs in front
I/O	Up to six PCIe Gen5 slots, and front or rear OCP
Cooling	Air cooling with Standard or Performance Heatsink & Fan Kits
Management	iLO 7



Cost/Power optimized server
for Hybrid Cloud and data
management

HPE ProLiant Compute DL340 Gen12

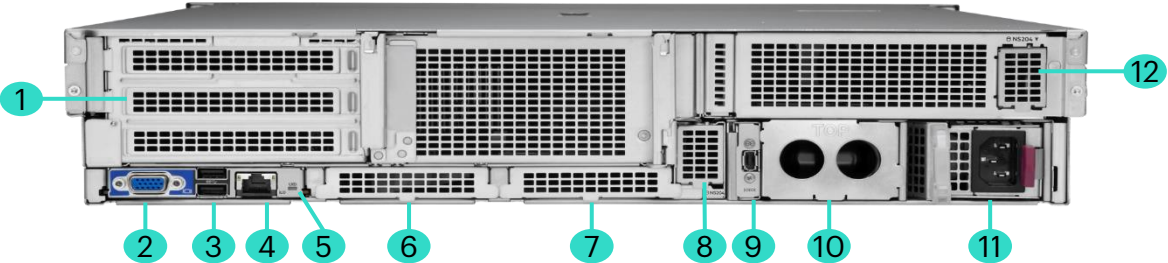


Front of Chassis

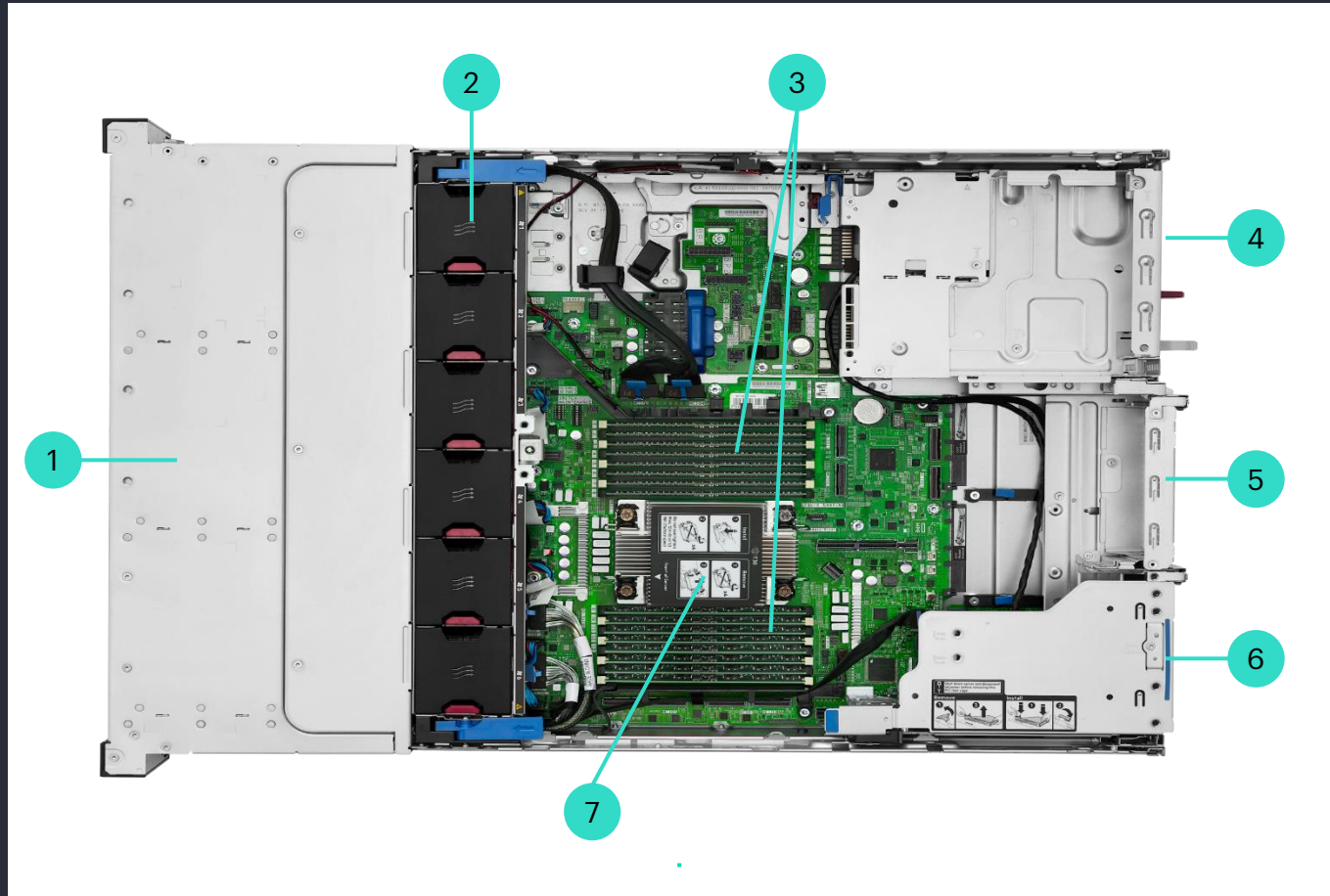
1 – Chassis Box Label	7 – Power On / Standby button
2 – Serial Number Label Pull Tab	8 – iLO Service Port
3 – Quick Removal Access Panel	9 – USB 3.2 Port
4 – UID Button / LED	10 – Box 3 (shown with blank panel)
5 - NIC Status LED	11 – Box 2 (shown with blank panel)
6 - Health LED	12 – Box 1 (shown with 8SFF drives)

Back of Chassis

1 – 3 PCIe5 x16 slots	7 – OCP slot B PCIe5 x16 (optional)
2 – VGA port	8 – Boot Device (with 60mm PSU)
3 – USB 3.2 Gen1 ports	9 – ix Port (optional)
4 – iLO dedicated network port	10 – M-CRPS 2 (optional)
5 – UID LED	11 – M-CRPS
6 – OCP slot A PCIe5 x16	12 – Boot Device (with 73mm PSU)



HPE ProLiant Compute DL340 Gen12



1 – Drive Bays

2 – 6 System Fans

3 - Memory

4 – Blank Upper; PSU Lower

5 – Blank / Secondary Riser

6 – Primary Riser

7 - CPU

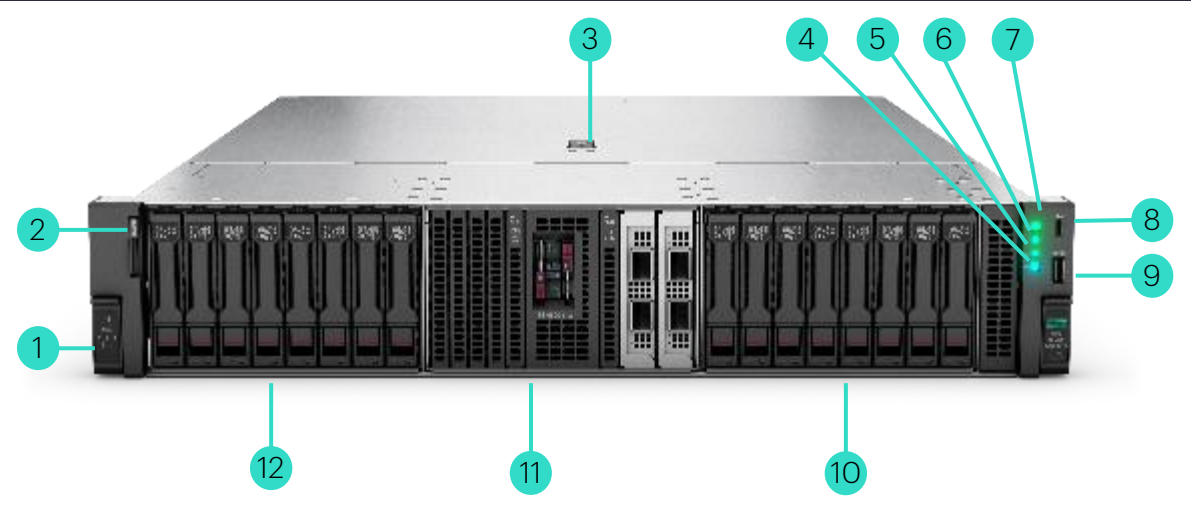
HPE ProLiant Compute DL345 Gen12

Formfactor	2U/1P Rack
Processor	5th Generation AMD EPYC™ processors up to 192 cores
Memory	Up to 6TB DDR5, 5200 MT/s, 24x DIMM slots
Storage	Up to 12 LFF, 24 SFF, 36 EDSFF drives
GPU	Up to 6 single-wide or 4 double-wide GPUs
I/O	Up to six PCIe Gen5 slots and two OCP
Power Supplies	Two power supplies, up to 3200W
Cooling	Air cool, Direct liquid cooling
Management	iLO 7



Power efficient and TCO optimized,
ideal for Virtualization, SDS, and Data
Management

HPE ProLiant Compute DL345 Gen12

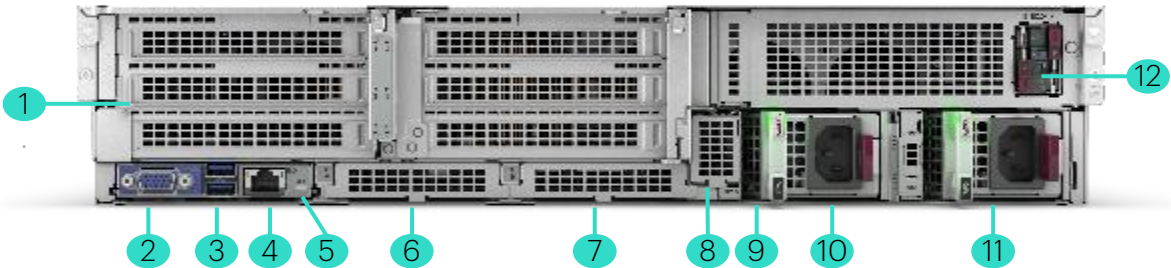


Front of Chassis

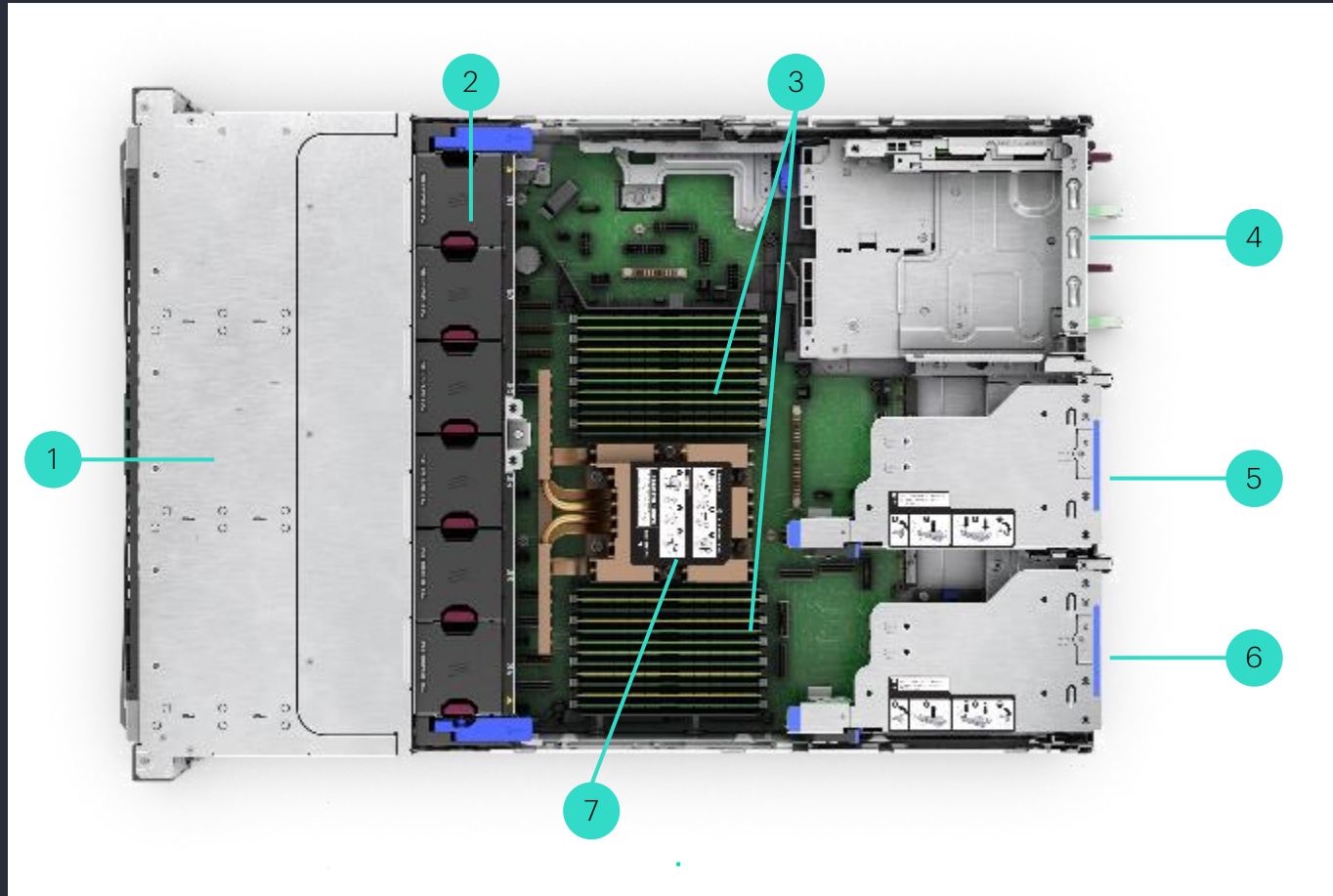
1 – Chassis Box Label	7 – Power On / Standby button
2 – Serial Number Label Pull Tab	8 – iLO Service Port
3 – Quick Removal Access Panel	9 – USB 3.2 Port
4 – UID Button / LED	10 – Box 3 (shown with 8SFF drives)
5 – NIC Status LED	11 – Box 2 (shown with OCP and NS204i-u)
6 – Health LED	12 – Box 1 (shown with 8SFF drives)

Back of Chassis

1 – 3 PCIe5 x16 slots	7 – OCP slot B PCIe5 x16 (optional)
2 – VGA port	8 – Boot Device (with 60mm PSU)
3 – USB 3.2 Gen1 ports	9 – ix Port (optional)
4 – iLO dedicated network port	10 – M-CRPS 2 (optional)
5 – UID LED	11 – M-CRPS
6 – OCP slot A PCIe5 x16	12 – Boot Device (with 73mm PSU)



HPE ProLiant Compute DL345 Gen12



1 – Drive Bays

2 – 6 System Fans

3 - Memory

4 – Blank Upper; PSU Lower

5 – Secondary Riser

6 – Primary Riser

7 - CPU

HPE ProLiant Compute DL345 Gen12 comparison

	Gen12	Gen11
Rack	2U/1P Rack	2U/1P Rack
Processor	5th Generation AMD EPYC™ processors up to 192 cores 500W	5th Generation AMD EPYC™ processors up to 160 cores 400W
Memory	Up to 6TB, DDR5 5200 MT/s, 24x DIMM slots	Up to 3TB, DDR5 6400 MT/s, 12x DIMM slots
Storage	Up to 12 LFF, 24 SFF, 36 EDSFF drives	Up to 20 LFF, 34 SFF, 36 EDSFF drives
GPU	Up to 6 single-wide or 4 double-wide GPUs	Up to 6 single-wide or 4 double-wide GPUs
I/O	Up to 6 PCIe Gen5 slots and 2 OCP – front capable	Up to 6 PCIe Gen5 slots and 2 OCP
Cooling	Air, Direct Liquid Cooling	Air Cooling
Management	iLO7	iLO6

HPE ProLiant Compute DL360 Gen12

Formfactor 1U/2P Rack

Processor Intel Xeon 6 processor, up to 144 cores

Memory Up to 8TB DDR5, 32x DIMM slots

Storage Up to 20x EDSFF or 10x SFF or 4x LFF drives

GPU Up to 3 single-wide GPUs

I/O Up to three PCIe Gen5 slots and front or rear OCP

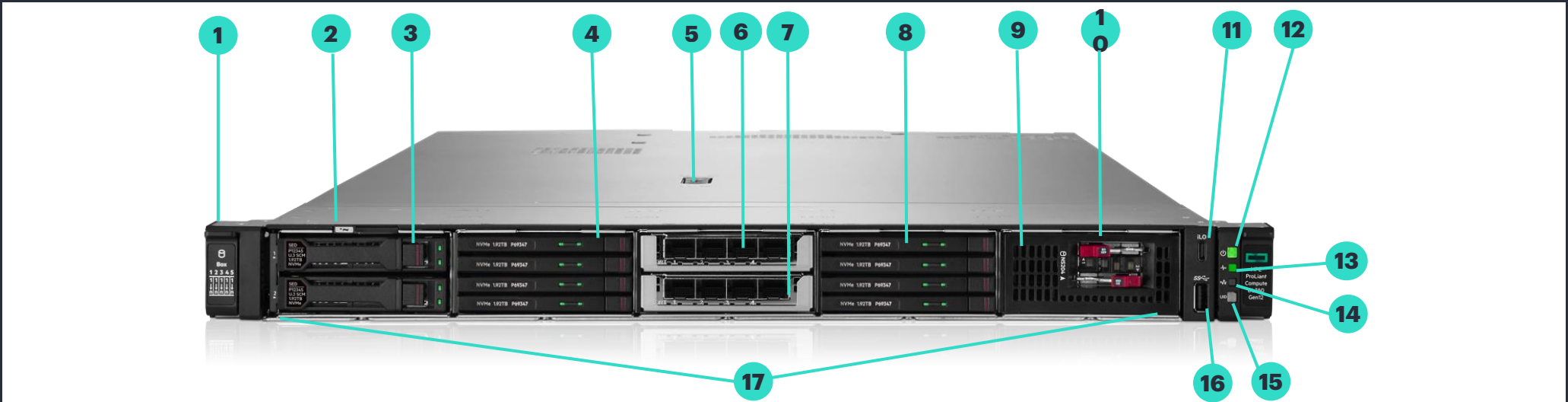
Cooling Air, Closed Loop, and Direct Liquid Cooling

Management iLO 7



Compact, rack-optimized solution
for VDI, Virtualization, Containers,
Hybrid Cloud

HPE ProLiant Compute DL360 Gen12



1 Drive support label

2 Serial number label pull tab

3 Box 1* (shown with 2 SFF drives populated)

4 Box 2* (shown with 4 EDSFF drives populated)

5 Quick removal access panel

6 Box 3* (secondary OCP NIC enablement kit)

7 Box 3* (primary OCP NIC enablement kit)

8 Box 4* (shown with 4 EDSFF drives populated)

9 Box 5* (airflow vent hole)

10 Box 5 (optional front NS204i-u boot device)

11 USB-C iLO service port

12 Power on / standby button / LED

13 Health LED

14 NIC status

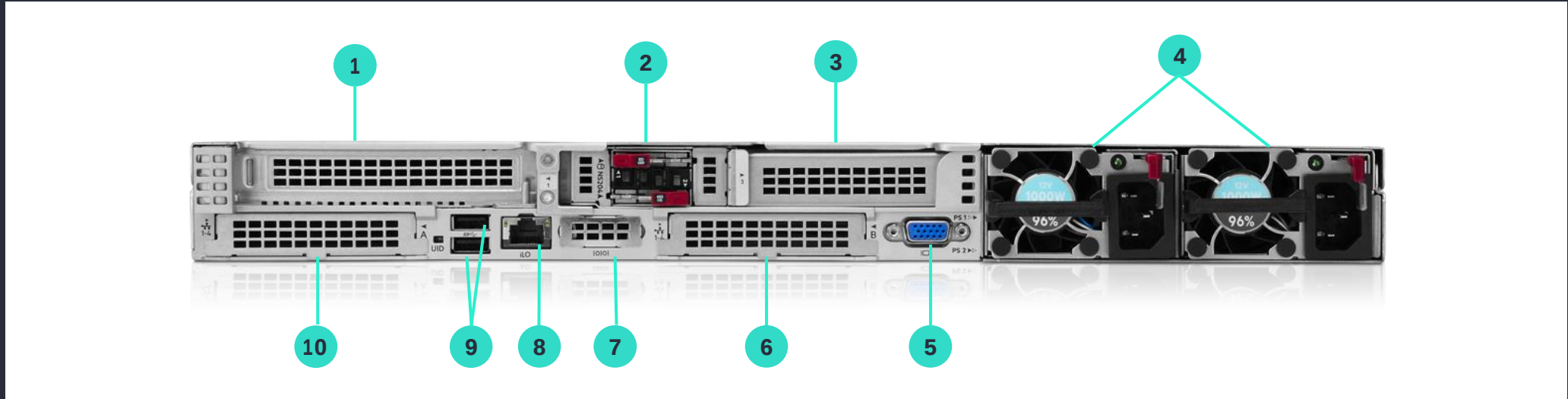
15 Unit identification button / LED

16 USB 3.2 Gen1 Port

17 Front multipurpose cage – boxes 1-5

Notes: Front NIC LED display doesn't support NIC LED ACT/LINK indication from ALOM/PCIE/FLOM NIC', Box 1 -5 are optional

HPE ProLiant Compute DL360 Gen12



1 Primary riser for PCIe 5.0 Slot1

2 Primary riser for PCIe 5.0 Slot2 (optional NS204 boot device)

3 Secondary riser Slot3 (optional; requires 2nd processor)

4 Redundant power supply 1 and 2

5 VGA connector

6 OCP 3.0 Slot14/B (shown covered)

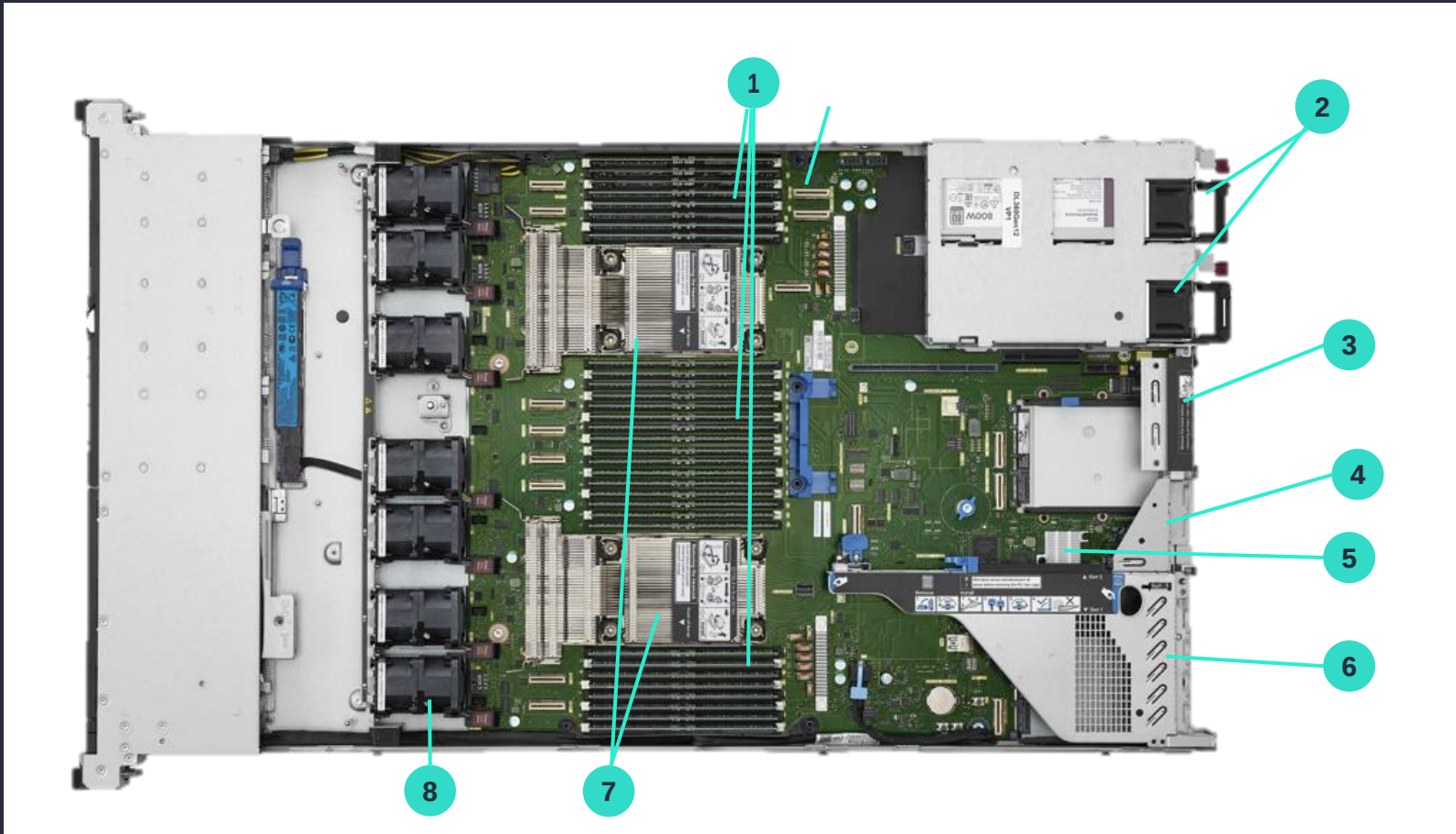
7 Serial port (optional)

8 Dedicated iLO management port

9 USB 3.2 Gen1 connectors (2)

10 OCP 3.0 Slot15/A (shown covered)

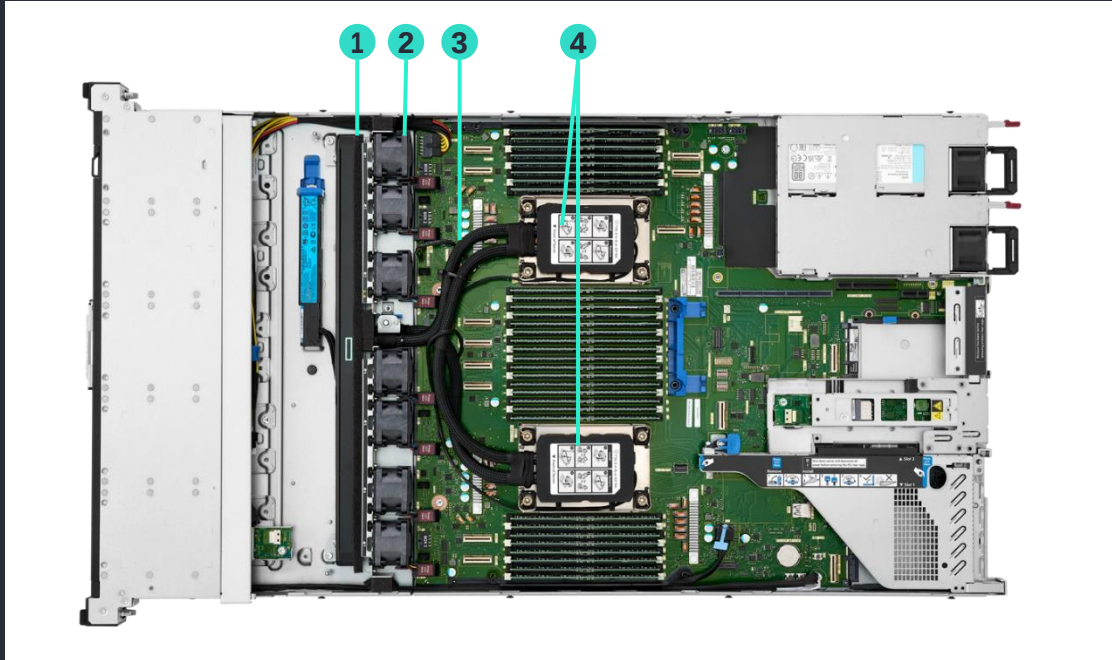
HPE ProLiant Compute DL360 Gen12



- 1** DIMM slots
(shown fully populated in 32 slots)
- 2** Hot plug redundant HPE flexible
slot power supplies
- 3** Secondary riser PCIe
Slot3(optional; requires 2nd
processor)
- 4** Primary riser PCIe Slot2 (optional
NS204i-u boot device)
- 5** iLO 7 ASIC and heatsink
- 6** Primary riser PCIe Slot1
- 7** Processors and Performance
heatsinks
- 8** Hot plug performance fans

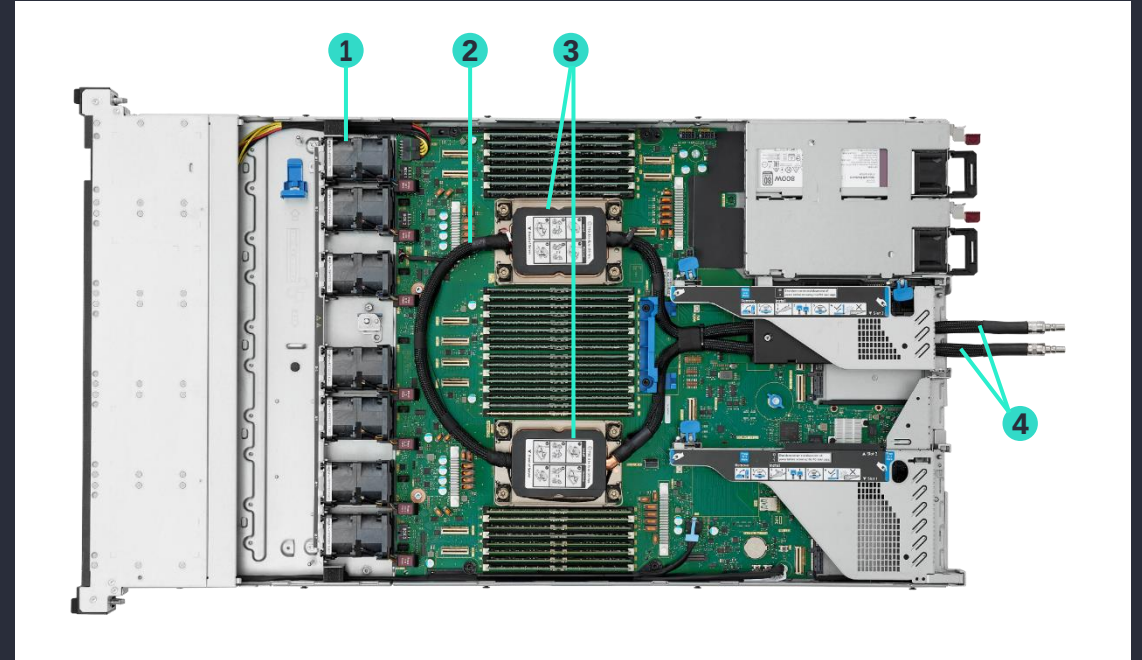
HPE ProLiant Compute DL360 Gen12

Closed Loop Liquid Cooling



- 1 Heat exchanger / radiator
- 2 Hot plug fans
- 3 Tubes and leak detection cables
- 4 Cold plates / heatsinks with pumps inside

Direct Liquid Cooling



- 1 Hot plug fans
- 2 Tubes and leak detection cables
- 3 Cold plates / heatsinks with pumps inside
- 4 Tubes (exiting chassis and routed to DLC rack)

HPE ProLiant Compute DL360 Gen12 comparison

	Gen12	Gen11
Rack	1U/2P	1U/2P
Processor	Intel Xeon 6 processor up to 144 cores	4 th /5 th Gen Intel Xeon Scalable processor
Memory	Up to 8TB DDR5, 32 X DIMM channels	Up to 8TB DDR5, 32 X DIMM channels
Storage	Up to 20x EDSFF or 10x SFF or 4x LFF drives	Up to 20x EDSFF or 10x SFF or 4 xLFF drives
GPU	Up to 3 single-wide GPUs in rear	Up to 3 single-wide GPUs in rear
I/O	Up to three PCIe Gen5 slots and front or rear OCP	Up to three PCIe Gen5 slots and two rear OCP
Cooling	Air, Closed Loop, and Direct Liquid Cooling	Air, Closed Loop, and Direct Liquid Cooling
Management	iLO7	iLO6



HPE ProLiant Compute DL380 Gen12

Formfactor 2U/2P Rack

Processor Intel Xeon 6 processor, up to 144 cores

Memory Up to 8TB DDR5, 32x DIMM slots

Front Storage Up to 36x EDSFF or 24x SFF or 12x LFF drives

GPU Up to 8 single-wide or 3 double-wide GPUs

I/O Up to eight PCIe Gen5 slots, and up to two front or rear OCP 3.0 slots

Cooling Air and Direct Liquid Cooling

Management iLO 7



Flexible, efficient, workload-optimized for VDI, Virtualization, Containers, Data Management

HPE ProLiant Compute DL380 Gen12



1 Box 1 (shown empty; optional universal media bay)

2 Box 2 (shown with the optional multi-purpose cage)

3 Optional 4 EDSFF drives (shown in multi-purpose cage in Box 2)

4 Optional front NS204i-u (shown in multipurpose cage in Box2)

5 Quick removal access panel

6 Optional front OCP Slots (shown in multi-purpose cage in Box 2)

7 Unit identification button / LED

8 NIC status

9 Health LED

10 Power on / standby button / LED

11 USB-C iLO service port

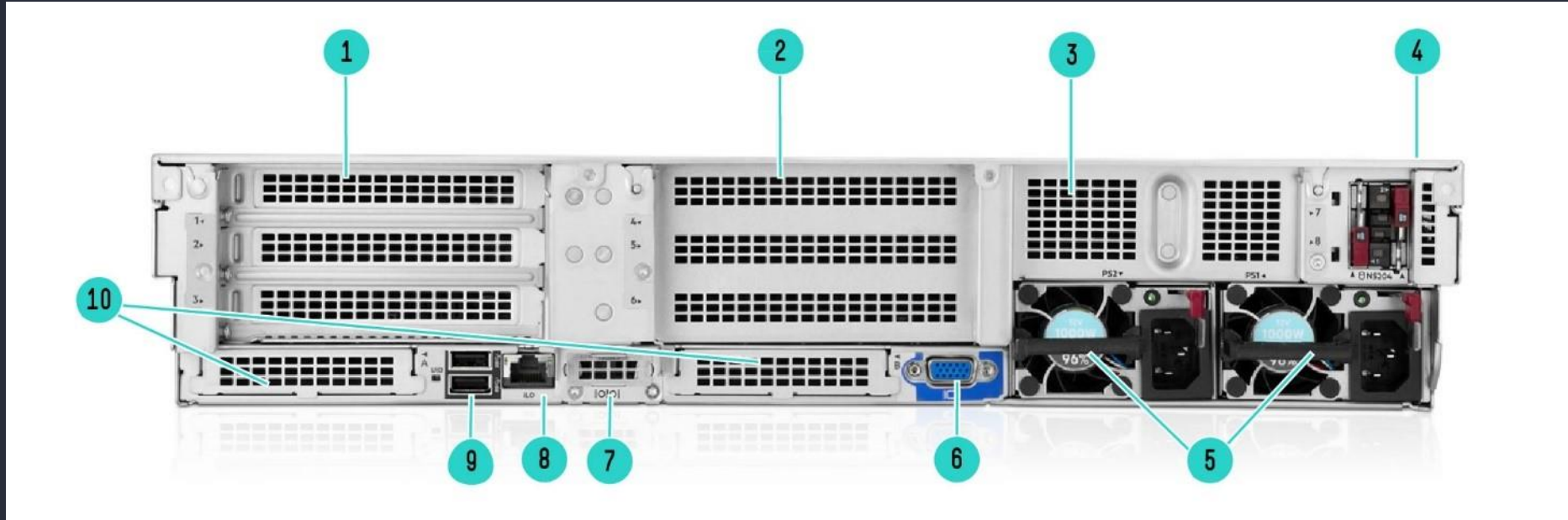
12 USB 3.2 Gen1 Port

13 Box 3 (shown with 8SFF drives)

14 Drive support label

15 Serial number label pull tab

HPE ProLiant Compute DL380 Gen12



1 Primary riser for PCIe 5.0 slots (slots 1, 2 & 3)

2 Secondary riser for PCIe 5.0 slots (slots 4, 5 & 6)

3 Tertiary riser (slots 7 & 8) or optional 2SFF drive cage

4 NS204i-u boot device (optional)

5 Power supply 1 and 2

6 VGA connector

7 Serial port (optional)

8 Dedicated iLO management port

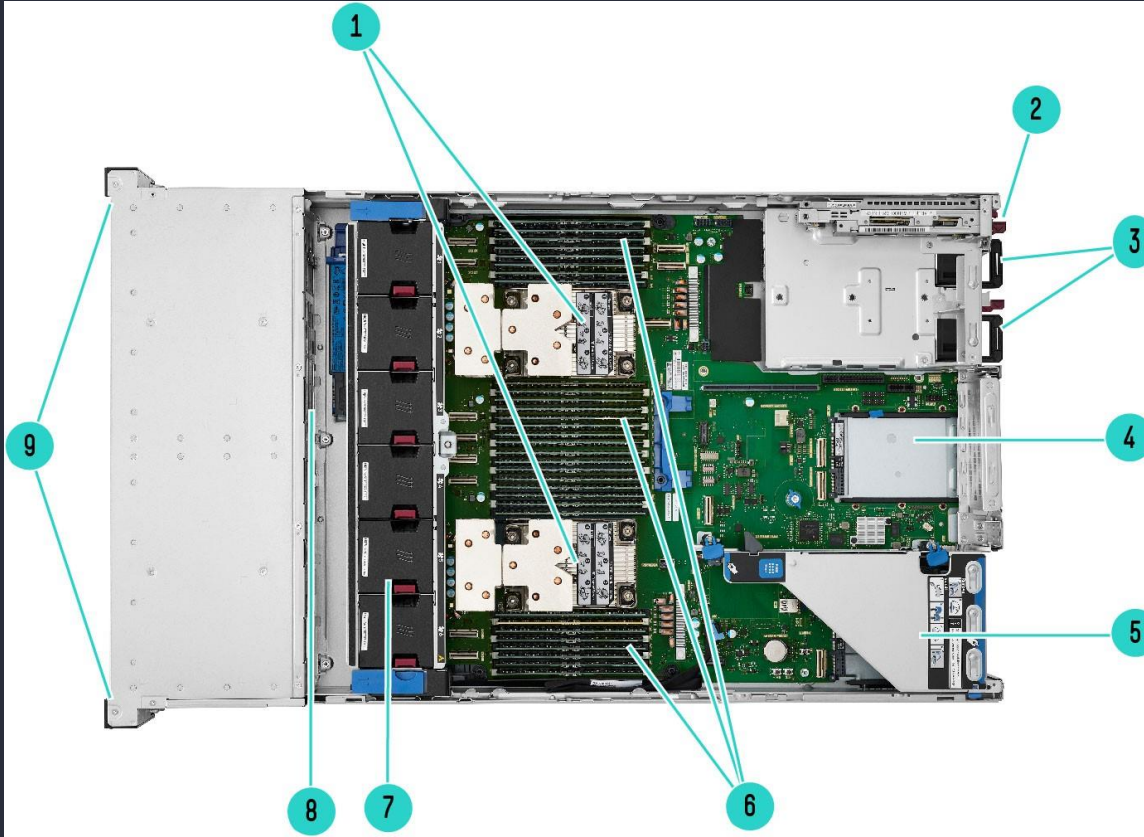
9 USB 3.2 Gen1 connectors (2)

10 OCP 3.0 Slots (shown covered)

11 UID Indicator LED

HPE ProLiant Compute DL380 Gen12

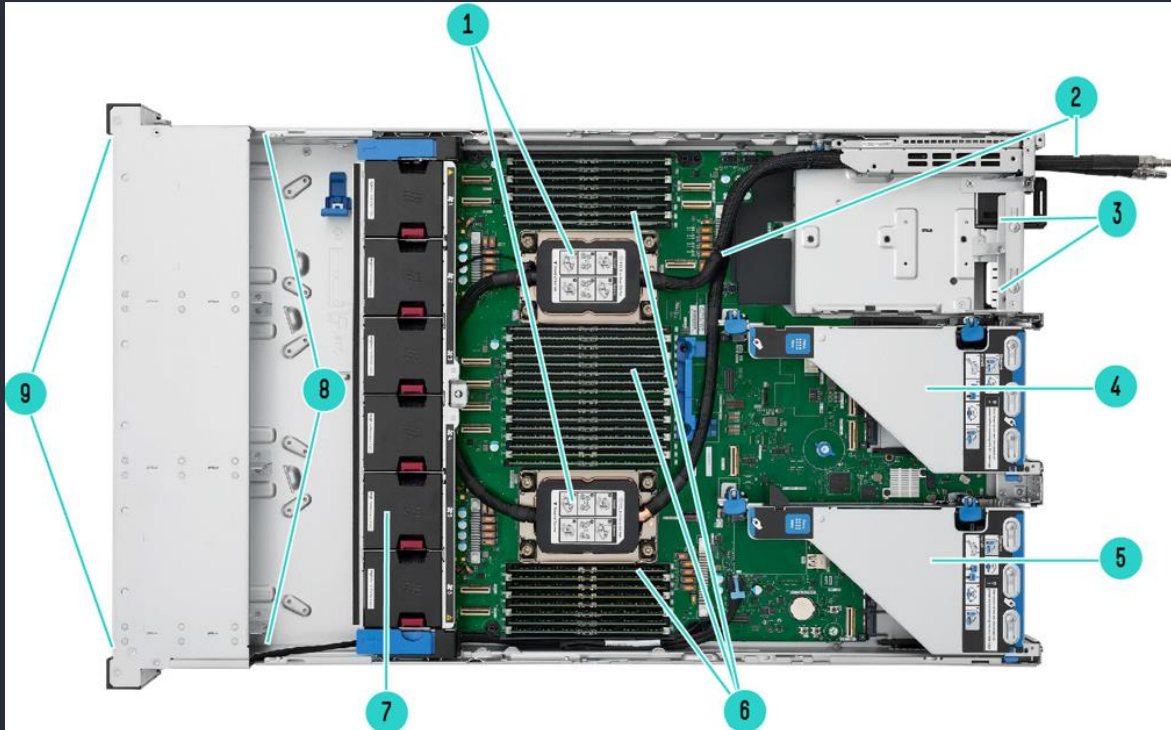
Air-cooled



- | | |
|----------|---|
| 1 | Processors and heatsinks |
| 2 | NS204i-u boot device (optional) |
| 3 | Hot plug redundant HPE flexible slot power supplies |
| 4 | Secondary riser (optional; requires 2nd processor) |
| 5 | Primary riser |
| 6 | DIMM slots (shown fully populated in 32 slots) |
| 7 | Hot plug fans |
| 8 | Drive backplanes |
| 9 | Drive cages |

HPE ProLiant Compute DL380 Gen12

Direct Liquid Cooling (DLC)



- 1** Processors and heatsinks
- 2** Direct liquid cooling tubes
- 3** Hot plug redundant HPE flexible slot power supplies
- 4** Secondary riser (optional; requires 2nd processor)
- 5** Primary riser
- 6** DIMM slots (shown fully populated in 32 slots)
- 7** Hot plug fans
- 8** Drive backplanes
- 9** Drive cages

HPE ProLiant Compute DL380 Gen12 comparison

	Gen12	Gen11
Rack	2U/2P	2U/2P
Processor	Intel Xeon 6 processor up to 144 cores	Intel Xeon 4/5 processor up to 64 cores
Memory	Up to 8TB DDR5, 32 X DIMM slots	Up to 8TB DDR5, 32 X DIMM slots
Storage	Up to 36x EDSFF or 24x SFF or 12 xLFF drives	Up to 36x EDSFF, or 24x SFF, or 12 LFF drives
GPU	Up to 8 single-wide or 3 double-wide GPUs	Up to 8 single-wide or 3 double-wide GPUs
I/O	Up to eight PCIe Gen5 slots, and up to two front or rear OCP	Up to eight PCIe Gen5 slots, and up to two rear OCP
Cooling	Air and Direct Liquid Cooling	Air and Direct Liquid Cooling
Management	iLO 7	iLO 6

HPE ProLiant Compute DL380a Gen12

Formfactor 4U/2P Rack

Processor Intel Xeon 6 processor, up to 144 cores

Memory Up to 4TB DDR5, 32x DIMM slots

Storage Up to 16x EDSFF or 8x SFF drives

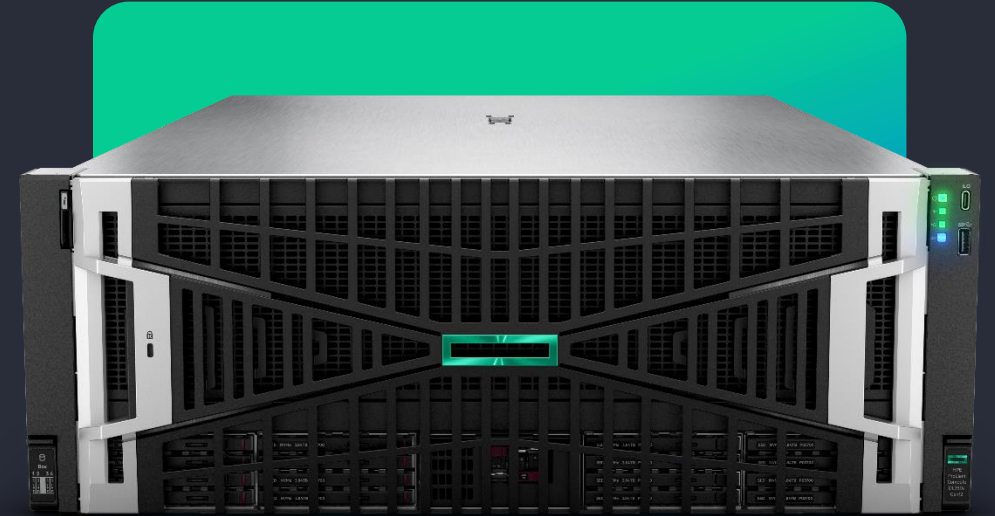
GPU Up to 16 single-wide or 10 double-wide GPUs

GPU support NVIDIA H200 NVL, H100 NVL, RTX PRO™ 6000, L40S, L4

I/O Up to six PCIe Gen5 slots and two OCP

Power Supplies Eight power supplies, six dedicated to GPUs

Management iLO 7



Ultra-scalable GPU acceleration
for Gen AI fine tuning and
inferencing for large workloads

HPE ProLiant Compute DL380a Gen12

More performance and efficiency with ultra scalable GPU acceleration

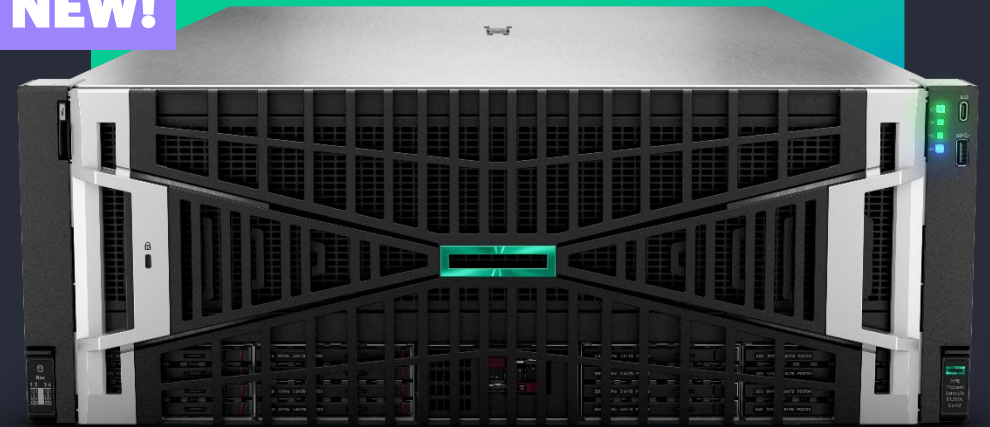
Offering **NVIDIA RTX PRO™ 6000 Blackwell Server Edition** ideal for AI and visual computing

Advanced power subsystem and superior efficiency with
Direct Liquid Cooling option

Expanded capacity with up to **10 double-wide or 16 single-wide GPUs**

Next-level security, HPE iLO 7 Silicon Root of Trust protects servers from manufacturing to end-of-life

NEW!



NEW!

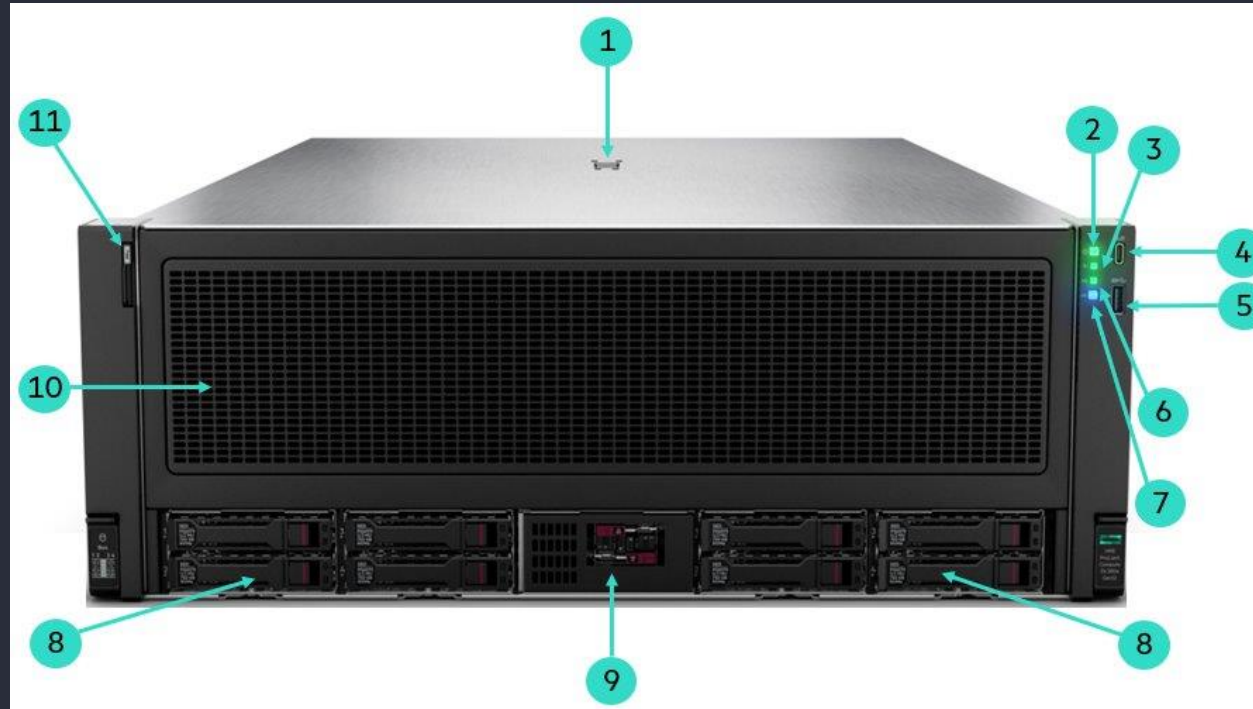
NVIDIA RTX PRO™ 6000

Up to 10 DW GPUs

Direct Liquid Cooling

HPE iLO 7 Silicon Root of Trust

HPE ProLiant Compute DL380a Gen12



1 Quick removal access panel

2 Power on / standby button / LED

3 Health LED

4 USB-C iLO service port

5 USB 3.2 Gen1 connector

6 NIC Status

7 Unit identification button / LED

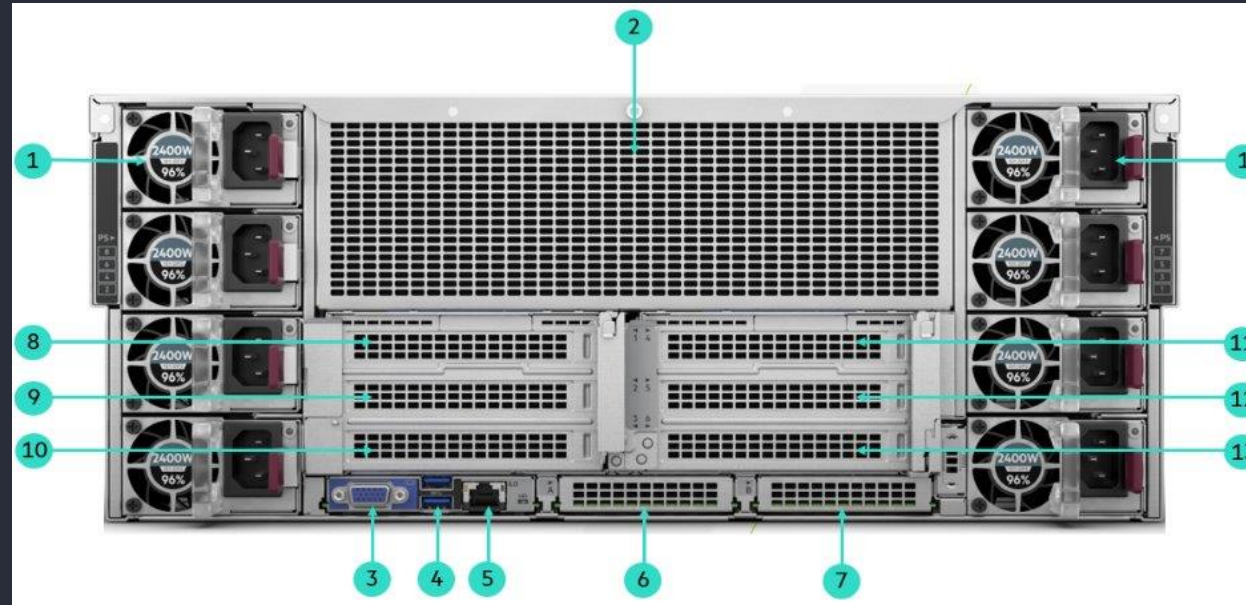
8 Drive cage (shown with total of 8 SFF drives populated)

9 NS204i-u boot device

10 GPU cage

11 Serial number label pull tab

HPE ProLiant Compute DL380a Gen12



1 Power supplies

2 Air ventilation wall

3 VGA connector

4 USB 3.2 Gen1 connectors (2)

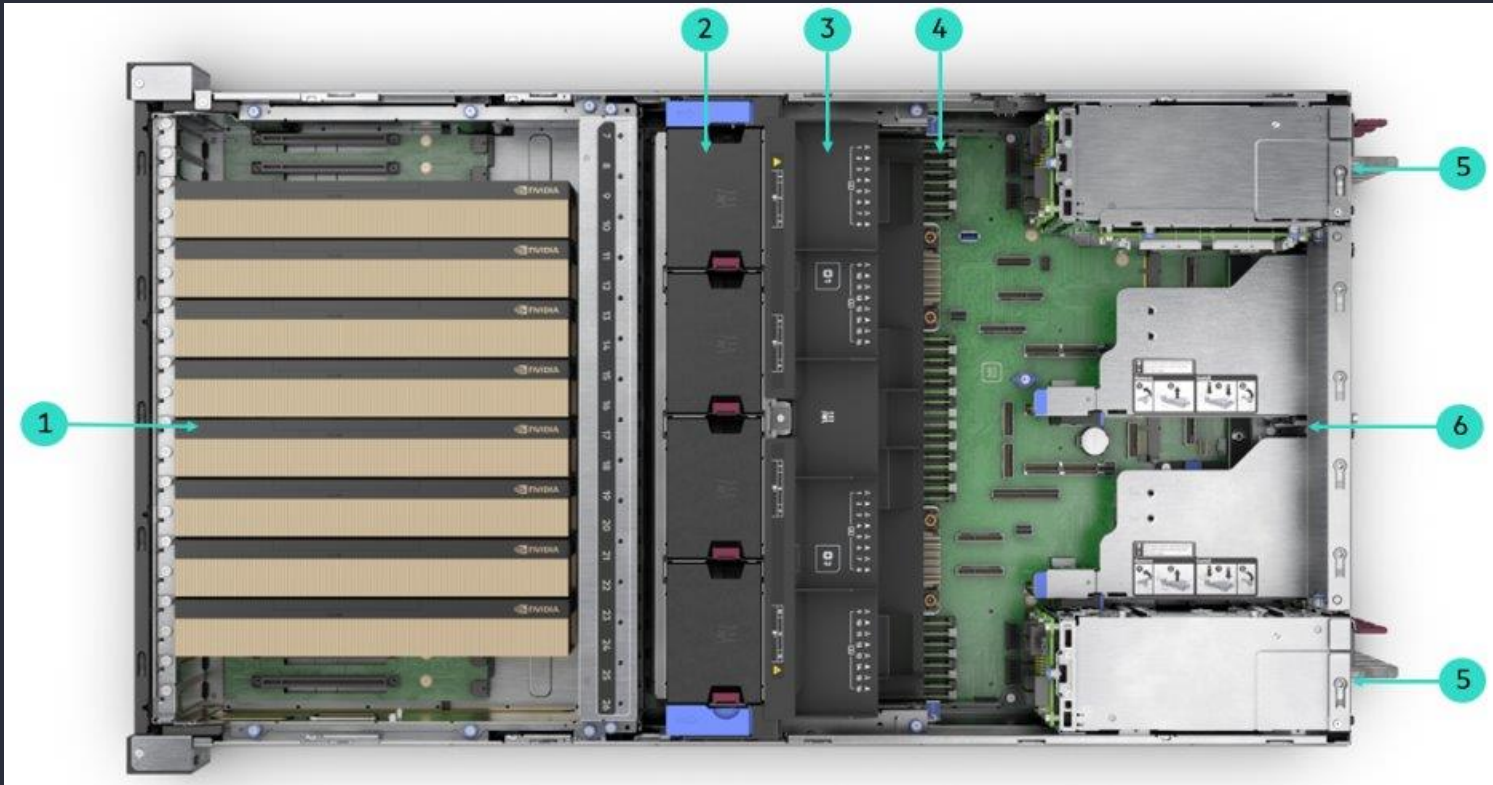
5 Dedicated iLO management port

6 OCP 3.0 Slot (shown covered)

7 OCP 3.0 Slot (shown covered)

8 - 13 PCIe 5.0 slots 1-6

HPE ProLiant Compute DL380a Gen12



- 1** GPU cage
(shown fully populated with 8 DW GPUs)
- 2** Hot plug fans
- 3** Air baffle and heat sinks
- 4** CPUs and DIMM slots
- 5** Hot plug redundant HPE flexible slot power supplies
- 6** PCIe risers

HPE ProLiant Compute DL380a Gen12 comparison

	Gen12	Gen11
Rack	4U/2P	2U/2P
Processor	Intel Xeon 6 processor up to 144 cores	4 th /5 th Gen Intel Xeon Scalable processor
Memory	Up to 4TB DDR5, 32x DIMM channels	Up to 3TB DDR5, 24x DIMM channels
Storage	Up to 16x EDSFF or 8x SFF drives	Up to 8x EDSFF or 8x SFF drives
GPU	Up to 16 single-wide or 8 double-wide GPUs in front	Up to 8 single-wide or 4 double-wide GPUs in front
Supported GPUs	NVIDIA H200NVL, RTX PRO 6000, H100NVL, L40S, L4	NVIDIA H100NVL, H100, L40S, L20, L4
I/O	Up to six PCIe Gen5 slots and two OCP	Up to four PCIe Gen5 slots and two OCP
Power Supplies	Eight power supplies, six dedicated to GPUs	Four power supplies, two dedicated to GPUs
Management	iLO 7	iLO 6

HPE ProLiant Compute DL384 Gen12

Rack 2U/2P or 2U/1P

CPU/GPU NVIDIA GH200 NVL2 with 288GB of HBM3e for a hardware managed coherent memory space of 1.2 TB

Memory CPU: LPDDR5x 960GB (2x 480GB) and 1 TB/s bandwidth
GPU: 288GB (2x144GB HBM3e) and 4.9 TB/s bandwidth

Storage Up to 8 EDSFF Gen5 x4 NVMe SSD
2 drives per NVIDIA GH200 NVL2 recommended
No HW RAID controller support, OS level RAID only

I/O Up to 4 full height half length (FHHL) PCIe Gen5 x16 (2 slots per Superchip)
Or 2FHHL PCIe and 2 OCP 3.0 Gen5 x16 (2 slots per Superchip)
Or 2FHHL PCIe and up to 8 EDSFF drives (1 slot and 4 drives per Superchip)

Cooling Air Cooling



AI-optimized server ideal for:
Fine-tune and deploy GenAI models on-premises data center
Next-level performance for AI and other mixed workloads.

HPE ProLiant Compute DL384 Gen12

Versatile scale-out compute

Supporting deployment of LLMs for AI fine-tuning and inferencing with RAG

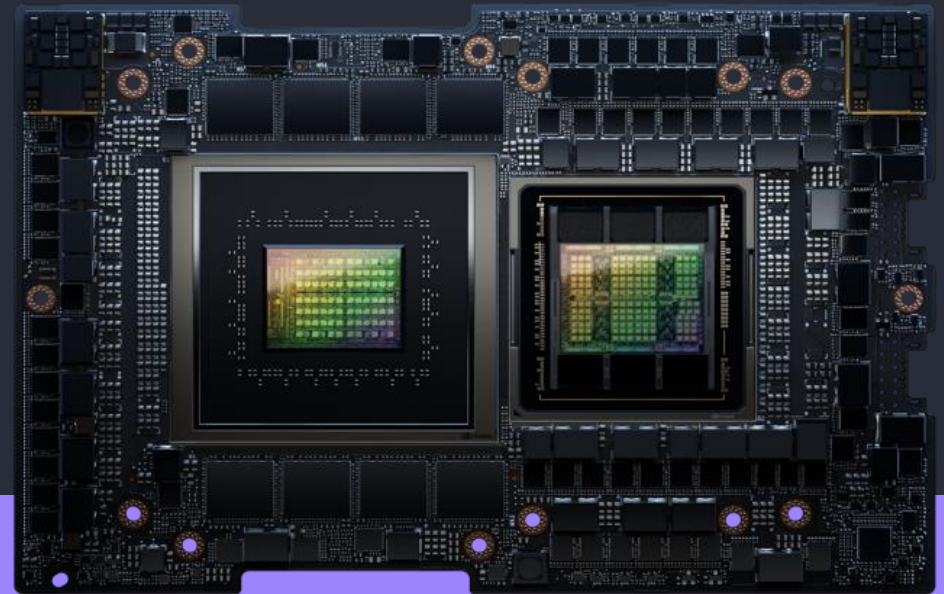
Easy to deploy and scale out

1 CPU:1 GPU node that's simple to manage and schedule for HPC, enterprise, and cloud

High performance mixed or memory-intensive workloads

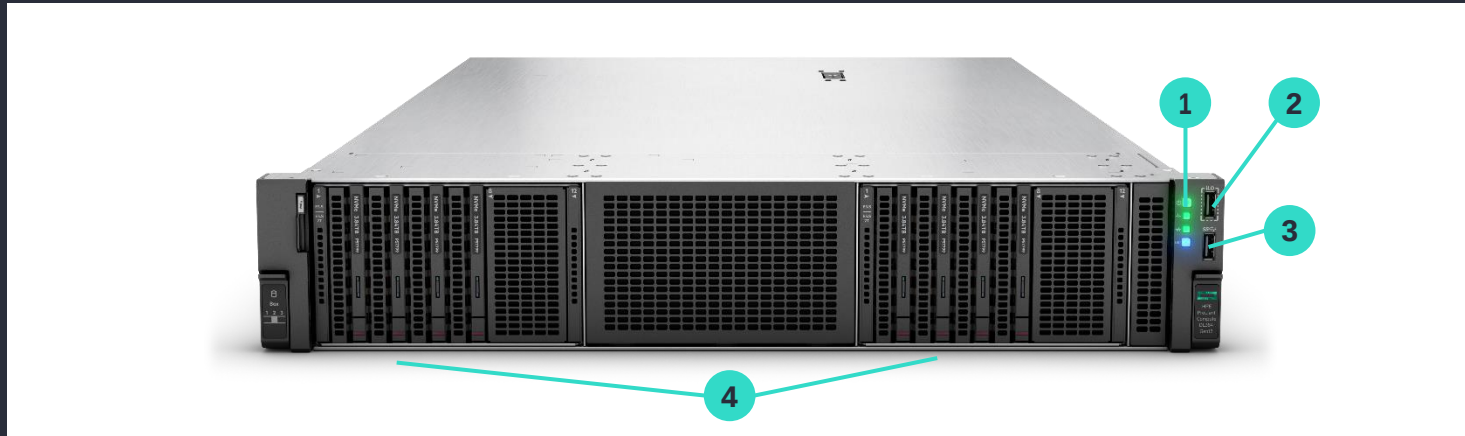
Maximizing data center utilization and power efficiency

NVIDIA GH200 NVL2



900 GB/s NVLink-C2C | 624 GB high-speed memory 4 PF AI Perf | 72 ARM cores

HPE ProLiant Compute DL384 Gen12

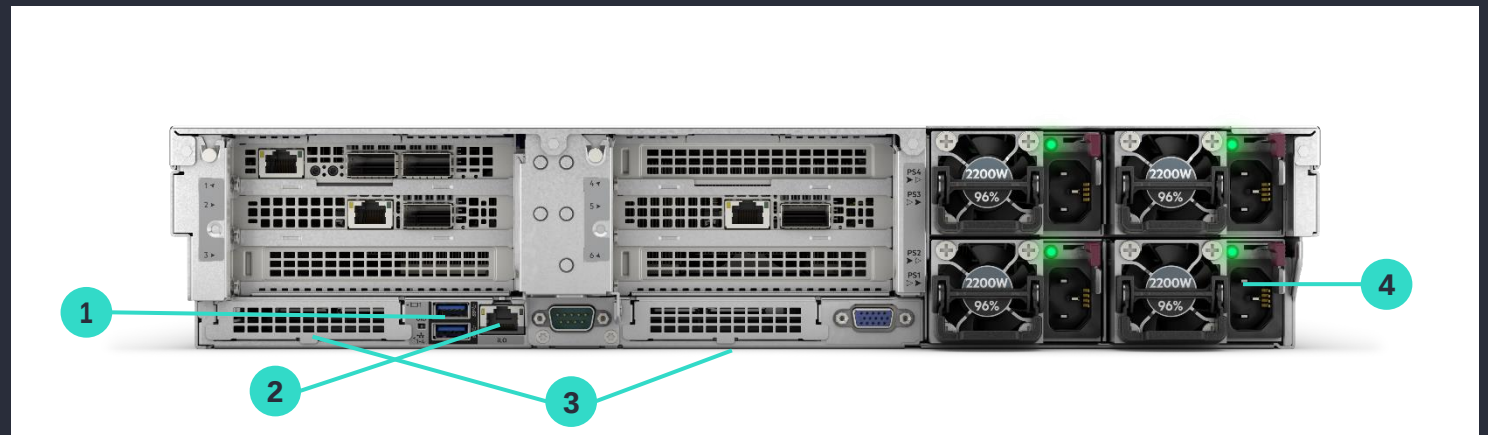


Front View

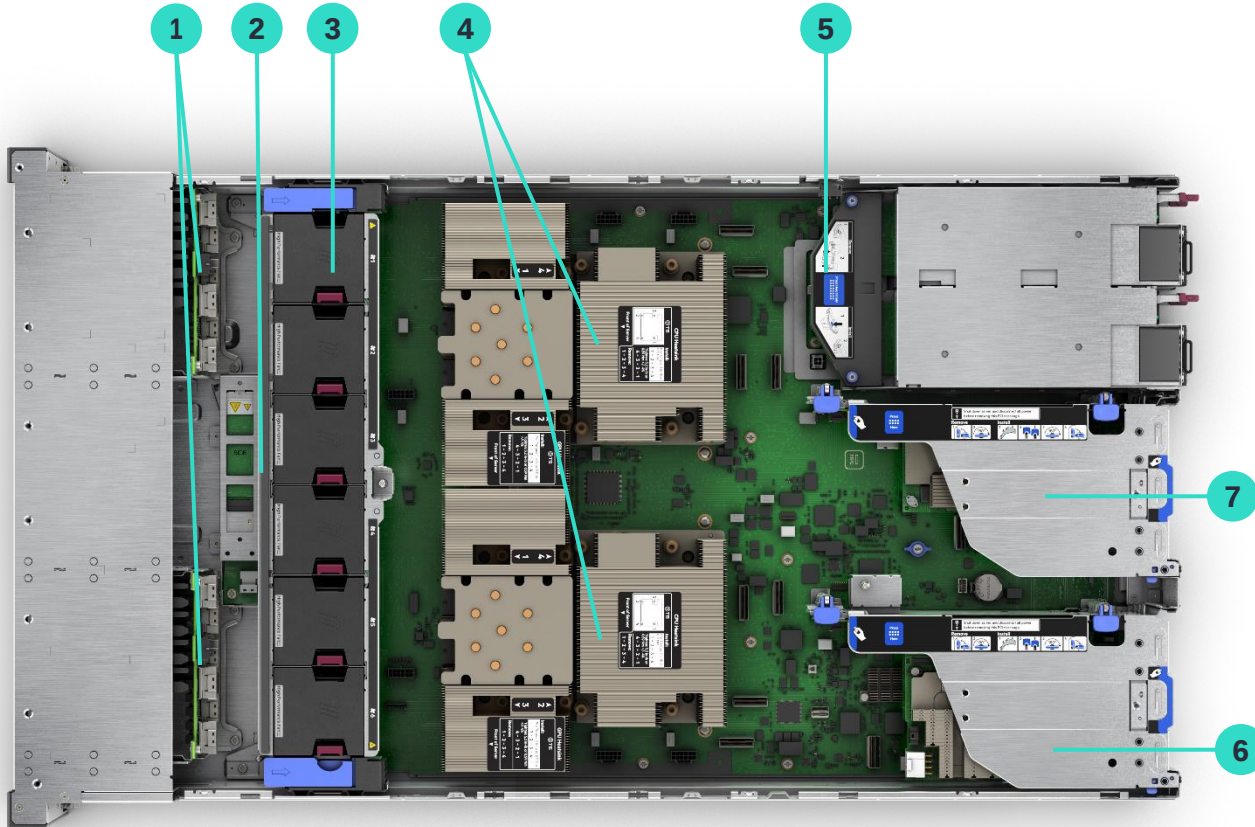
- 1 Power & UID + health activity LEDs
- 2 1x iLO (USB) Service Port
- 3 1x USB 3.0 Type-A
- 4 EDSFF Drive bays

Rear View

- 1 2x USB 3.0 Type-A
- 2 Dedicated iLO Port
- 3 OCP 3.0 Slots
- 4 4x Hot Plug PSUs



HPE ProLiant Compute DL384 Gen12



- 1** EDSFF Drive bays
- 2** M.2 SSD module holder
- 3** Cooling fans
- 4** NVIDIA GH200 NVL2
- 5** Power Backplane for 4 PSUs
- 6** Primary riser
- 7** Secondary riser

HPE ProLiant Compute DL580 Gen12

Formfactor 4U/4P Rack

Processor Intel Xeon 6 processor, up to 86 cores

Memory Up to 16TB DDR5, 64x DIMM slots

Front Storage Up to 32x EDSFF or 32x SFF drives

I/O Up to twelve PCIe Gen5 slots, and up to two rear OCP 3.0 slots

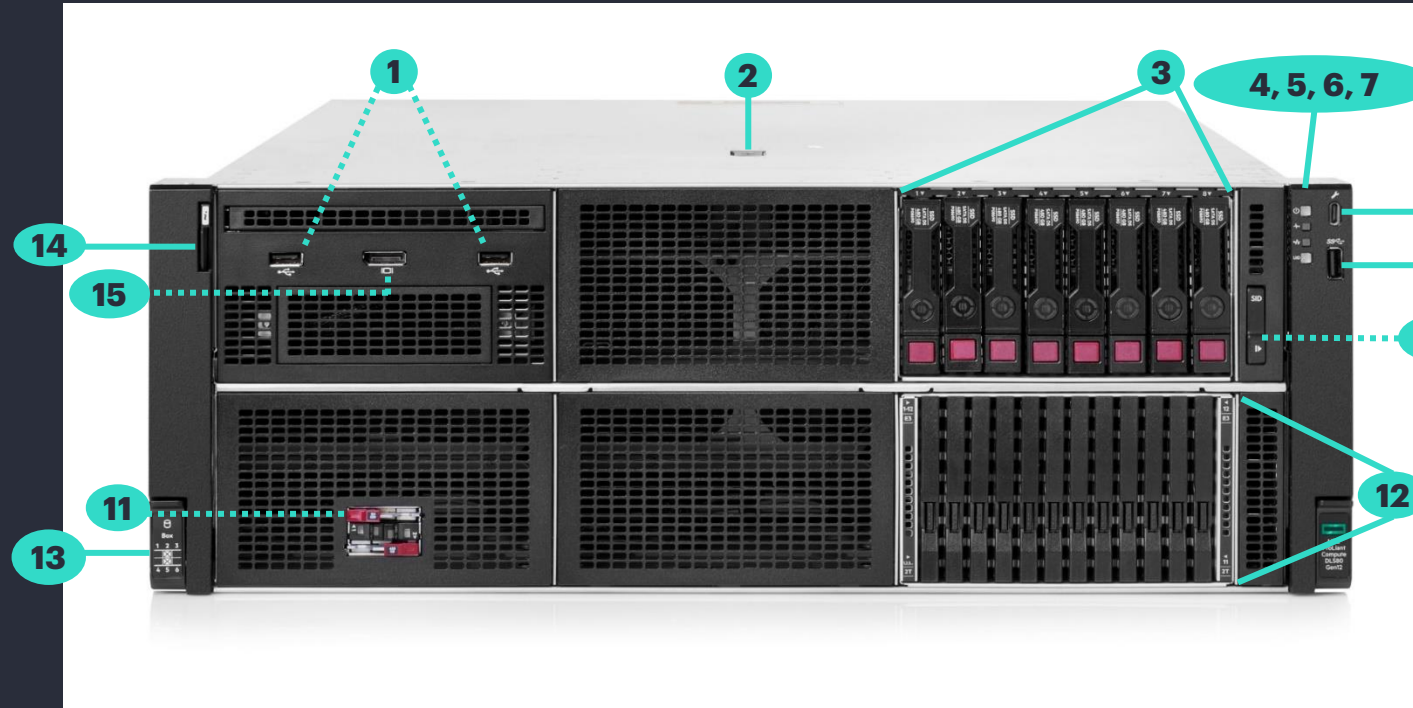
Cooling Air Cooling

Management iLO 7



Quad socket server optimized for Data management, Data analytics, Big Data and In-memory databases

HPE ProLiant Compute DL580 Gen12



1 Two (2) USB 3.2 Gen1 Ports

2 Quick removal access panel

3 Optional 8 SFF drives

4 Power on / standby button / LED

5 Health LED

6 NIC Status LED

7 Unit identification button / LED

8 USB-C iLO service port

9 USB 3.2 Gen1 Port

10 System Insight Display

11 Optional front NS204i-u boot device

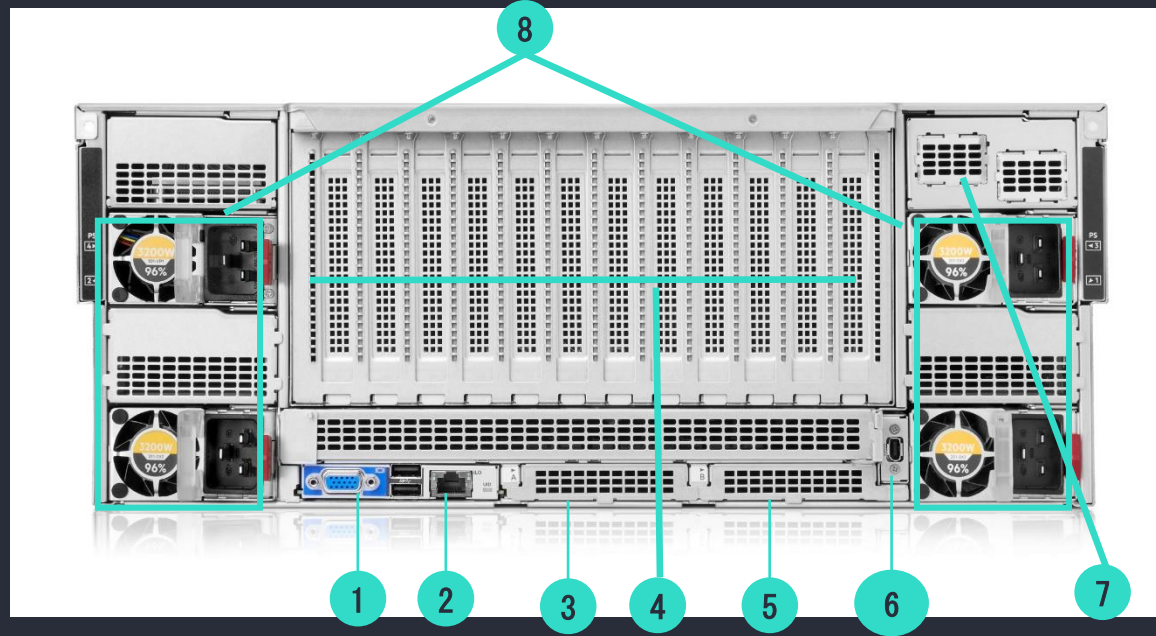
12 12 EDSFF drives

13 Drive support label

14 Serial number label tab pull

15 Display port

HPE ProLiant Compute DL580 Gen12



1 VGA connector

2 Dedicated iLO management port

3 OCP 3.0 Slot

4 12x PCIe 5.0 Full Height 3/4L Slot

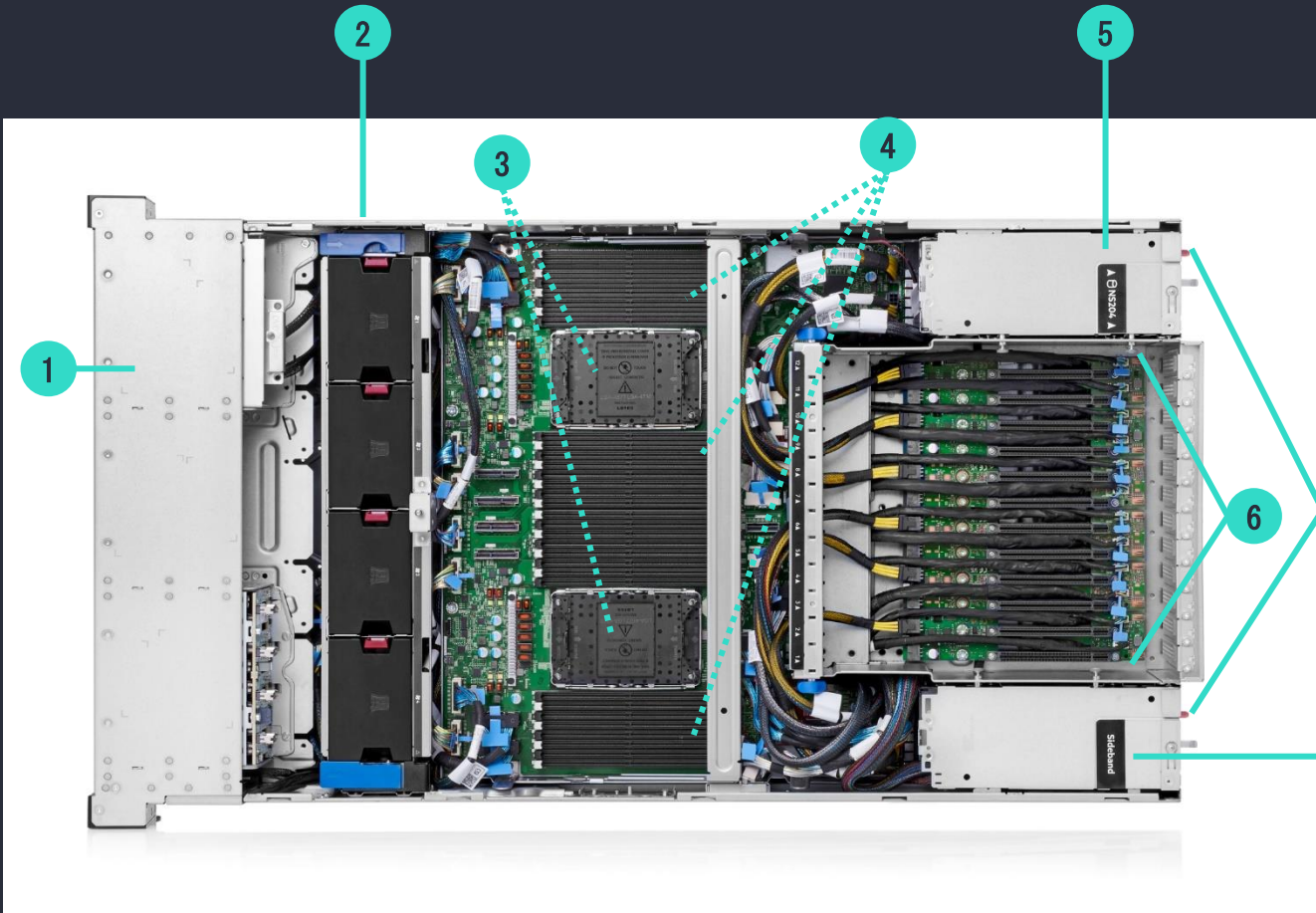
5 OCP 3.0 Slot

6 Serial port (optional)

7 Optional NS204i-u boot device

8 60mm or 73.5mm M-CRPS

HPE ProLiant Compute DL580 Gen12



- 1** Front option cages
- 2** Hot plug fans
- 3** Processors and heatsinks
- 4** DIMM slots (shown fully populated in 64 slots)
- 5** NS204i-u boot device (optional)
- 6** 12 x16 PCIe 5.0 Lanes (shown unpopulated)
- 7** Hot plug redundant HPE flexible slot power supplies
- 8** Sideband Board

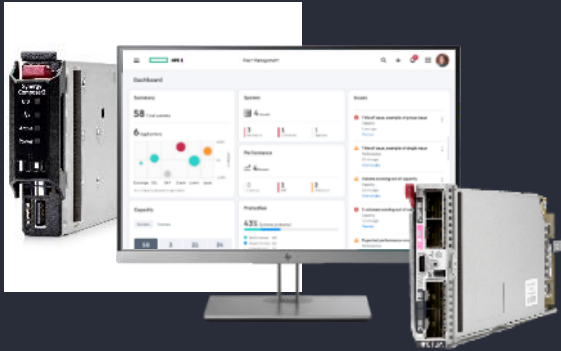
HPE ProLiant Compute DL580 Gen12 comparison

	DL580 Gen12	DL560 Gen11
Rack	4U/4P	2U/4P
Processor	Intel Xeon 6 processor up to 86 cores	Intel Xeon 4/5 processor up to 64 cores
Memory	Up to 16TB DDR5, 64 X DIMM slots	Up to 8TB DDR5, 32 X DIMM slots
Storage	Up to 32x EDSFF or 32x SFF drives	Up to 24x EDSFF or 24x SFF drives
I/O	Up to twelve PCIe Gen5 and up to two rear OCP slots	Up to eight PCIe Gen5 and up to two rear OCP slots
Management	iLO 7	iLO 6



HPE Synergy solution overview

Management



Compute



Infrastructure



Fabric



Storage



HPE Synergy Gen12

Compute



- Intel Xeon 6 processors
- Faster DDR5 memory
- Updated drive options:
 - 4 SFF
 - 8 EDSFF
 - Driveless
- New Ethernet & FC mezz options

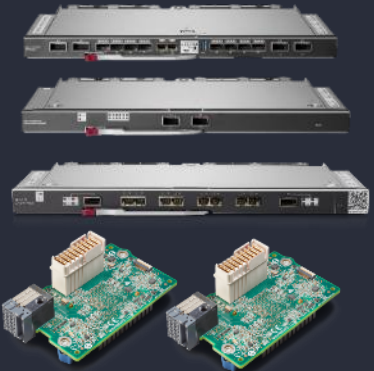


Infrastructure

- Power & cooling updates introduced with Gen11 support future requirements

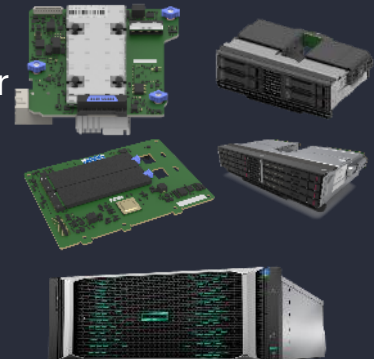


- Continue VC100/50G ILM
- New 25/50G Ethernet NIC
- New 64G FC HBA and ICMs to replace 32G



Fabric

- New drive cage options for compute
- Continued support for external arrays, including NVMe-over-Fabric support on HPE storage
- Controllers
 - NS204i-d Boot
 - Tri-mode OCP array



Storage

HPE Synergy 480 Gen12

Formfactor 2P Blade

Processor Intel Xeon 6 processor, up to 86 cores

Memory Up to 8TB DDR5, 16x DIMM slots

Front Storage 8x DC EDSFF E3.S NVMe
8x DC EDSFF E3.S NVMe Controller-Connected

Fibre Channel HBA 32G Fibre Channel HBA
64G Fibre Channel HBA

Cooling Air Cooling

Management iLO 7

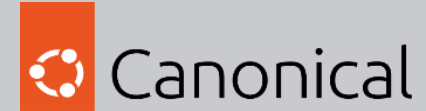


Dual socket blade server optimized for scale-out workloads

HPE Synergy 480 Gen12 comparison

	Gen12	Gen11
Processor	Intel Xeon 6 processor up to 86 cores	4 th Gen Intel Xeon Scalable processor up to 56 cores
Memory	Up to 8TB DDR5, up to 6400 MT/s	Up to 8TB DDR5, up to 4800 MT/s
Controllers	OCP Tri-Mode Storage Controller 2x 960GB M.2 NVMe	Mezzanine Tri Mode Storage Controller 2x 480GB M.2 NVMe
Drive Cages	8x DC EDSFF E3.S NVMe 8x DC EDSFF E3.S NVMe Controller-Connected	8x DC EDSFF E3.S NVMe
Fibre Channel HBA	32G Fibre Channel HBA 64G Fibre Channel HBA	32G Fibre Channel HBA
Management	iLO7	iLO6

Supported Operating Systems



Windows Server 2022
Windows Server 2025
Azure Local

VMware ESXi 8.0 U3

RHEL 9.5

SLES 15 SP5
SLES 15 SP6

Ubuntu 22.04
Ubuntu 24.04

Oracle Linux 9.5

Multi-layer secured core OS, virtualization, enterprise level applications & workloads, hybrid-cloud

Azure Local:
Integrated Solutions
Validated Nodes

Virtualization, enterprise level applications and workloads, hybrid-cloud

Ready Nodes:
vSAN Ready Nodes

Robust, secured Linux-based OS, enterprise level applications and mission-critical environments

High-performance and mission-critical workloads, especially for SAP

Robust, efficient Linux-based OS for hosting websites, applications, databases, etc.

Secure, high-performance Linux-based OS

VDI Solutions

	Cost/Power optimized	Performance optimized	GPU optimized
Top considerations	Balance core count and clock speed Balance memory capacity Small environment, scale up and down in smaller increments	Highest performance processor and CPU core counts More capacity in the same space	High GPU density More storage per single server Engineering solutions
Software	Omnissa, Citrix VAD, HP Anyware	Omnissa, Citrix VAD, HP Anyware	Omnissa, Citrix VAD, HP Anyware
Best fit platform	DL325, DL320	DL365, DL360	DL385, DL380
GPU	A16, L4	A16, L4	A16, L4, L40S

Best fit platform features

- Optimized clock speeds (2.8GHz or greater)
- High CPU core counts
- Balanced Memory-CPU core density

Virtualization (VMs) Solutions

	Cost/power optimized	Density optimized	Modular solution
Top considerations	Small to medium general purpose VM platform Cost efficient Scalable in small increments Fully or partially redundant Smaller distributed sites	Medium to large general purpose VM platform Flexible and scalable Fully redundant More capacity in the same space Data center	Large to extra-large, High-Density General purpose VM platform Composable infrastructure Fully redundant Data center
Software	HPE VM Essentials, KVM, VVF, VCF, Ubuntu	HPE VM Essentials, HPE CMP, KVM, VVF, VCF, RHEL, SUSE, Ubuntu	KVM, VVF, VCF, RHEL
Best fit platform	DL325/DL320	DL365/DL360	Synergy SY480
GPU	N/A	N/A	N/A

Best fit platform features

- High CPU core count options
- Optimized clock speeds (2.1GHz or greater)
- Balanced memory/CPU core density
- High performance memory
- High performance NVMe SSD storage options
- Tiered storage options for cost-effective performance

Container Solutions

	Cost/Power optimized	Density optimized	Modular solution
Top considerations	General purpose workloads with balanced performance Lightweight microservices or test environment Starting point of modernization journey	Memory intensive microservices Higher core count and memory density Better cluster scalability More capacity in the same space Data center	Composable solution with storage, networking, and compute Highest density for container deployment Highly-available Datacenter
Software	Red Hat OpenShift, SUSE Rancher, Canonical	Red Hat OpenShift, SUSE Rancher	Red Hat OpenShift, SUSE Rancher
Best fit platform	DL325/DL320 (head node) DL325/DL320 (worker node)	DL325/DL320 (head node) DL365/DL360 (worker node)	Synergy SY480

Best fit platform features

- High CPU core count options
- Balanced memory density
- High performance memory
- Tiered storage options for cost-effective performance
- RAID option flexibility
- High-speed networking options

Hybrid cloud solutions

	Cost/power optimized	Density optimized	Modular solution
Top considerations	New on-prem deployment with plan to extend to cloud, or on-prem extension of cloud deployment	Balanced on-prem and cloud-based presence. More capacity in the same space. Easy to scale as needed. High-performance I/O	High density and high capacity on-prem deployment to support tasks and data that must stay on prem that could benefit from composable infrastructure
Software	HPE Morpheus VM Essentials, Azure Stack HCI, VVF+vSAN VCF	HPE Morpheus VM Essentials, HPE CMP, Azure Stack HCI, VVF+vSAN VCF	VVF+vSAN VCF
Best fit platform	DL325/DL320 (mgmt node) DL345/DL340 (worker node)	DL325/DL320 (mgmt node) DL365/DL360 (worker node)	Synergy SY480
GPU	N/A	N/A	N/A

Best fit platform features

- High CPU core count options
- Balanced memory density
- High performance memory
- Tiered storage options for cost-effective performance
- RAID option flexibility
- High-speed networking options

Generative AI Solutions

GenAI optimized		Best fit platform features ▪ NVIDIA OVX Certified ▪ OpsRamp for hybrid observability ▪ S/M/L Sizing ▪ Scale as you grow ▪ AI lifecycle management ▪ Self-serve access to essential AI tools ▪ Ideal for inference, RAG-based applications and fine-tuning
Top considerations	Integrated Stack Turn-key solution Instant AI productivity Data privacy and control End-to-end AI software platform	
Software	HPE Private Cloud AI	
Best fit platform	DL380a, DL384	
GPU	NVIDIA	

Data Solutions

	Cost/power optimized	Scale-out optimized	Scale-up optimized
Top considerations	Small environment, scale up and down in smaller increments. Flexible I/O. DAS – Direct Attached Storage	Balanced memory. Bandwidth and capacity. More capacity in the same space. Scale Up/down. Distributed deployments. GPU Deployments.	Scale-up modular architecture (4s --> 16s) Contiguous memory footprint up to 32TB. Large IO bandwidth consumption
Software	Oracle, MS SQL, MySQL, Mongo DB, Cassandra	Oracle, MS SQL, DB2, Open Source (MySQL Mongo DB, Cassandra) Informatica, HPE Data Fabric, Cloudera CDP, Apache Spark, Hadoop, SAS Viya	Oracle, SAP , MS SQL Server, IBM DB2
Best fit platform	DL345/DL340	DL365/DL560	SU-3200/DL560
DPU/GPU	N/A	Intel, AMD & NVIDIA	NVIDIA

Best fit cross-platform features

- High frequency CPU options
- Parallel processing support
- High performance memory
- High performance storage options
- Tiered storage support (Hot, warm, archive)
- NVMe-oF (RoCE, FC-NVMe, and TCP-based)
- High-speed networking options
- RDMA support

Best fit scale-up features

- Modular four to --> sixteen socket
- Up to 32TB of DRAM
- Physical Partitions (nPARs)

Edge Solutions

	Cost/Power optimized	Performance optimized	GPU optimized
Top considerations	Space limitations without dedicated rack. Only need to run VMs at the edge	GPU requirements to run AI inferencing at the edge. High storage capacity and performance with EDSFF. Environmental requirements – dust, vibration, temp	Application deployment include both VMs and containers. High core density for greater number of VMs and containers
Software	Canonical, VVF, KVM	IronYun, StrataVision, Clarifai	Canonical, Microsoft, Red Hat, SUSE, Spectro Cloud, StorMagic, VVF, KVM
Best fit platform	DL20 / ML30	DL145	DL145/ML350
GPU	N/A	L4	L4

Best fit platform features

- High CPU core count
- Optimized clock speeds (2.1GHz or greater)
- Balanced memory/CPU core density
- High performance memory
- Compact, air filter, and vibration resistant
- Extended temperature operating range (-5C / 55C)
- High performance NVMe storage options
- Security - Chassis intrusion kit

HPE Services – Customer Experience Comparison

Service Feature (1)		Warranty	HPE Tech Care Service	HPE Complete Care Service
	Support Scope	Per Product	Per Product	Per Environment
Reactive Support	Direct to Specialist remote response coverage window	HPESC incident logging only [#]	24x7 (9x5 at Basic service level)	24x7 + priority access & routing
	Critical incident remote response		15-minutes Severity 1	15-minutes - Severity 1 & 2 ⁽²⁾
	On-site response	*	✓	✓
	Outage management (Critical service level only)		✓	✓
	Assigned on-site customer engineer			✓
	Accelerated escalation management			✓ ⁽³⁾
	Ask an HPE Expert - General technical guidance		✓	✓
Proactive Service	ISV Collaborative Support & Collaborative Assistance		✓	✓
	Assigned team for single point of contact			✓
	Joint HPE-Customer service planning & review sessions			✓
	Outcome specific technology and modular solution options			✓
	Operational and technical advice			✓
	Personalized and tailored experience			✓
Connected Experience	IT Ops Management (powered by OpsRamp) w/ Experts, Insights & Automation			✓
	Auto case creation		✓	✓
	Capacity and performance analytics		✓	✓
	Firmware analysis and alerts		✓	✓
	Device health analysis and alerts		✓	✓
	Predictive analytics		✓	✓
Digital Experience	HPE Digital Learner 1-year subscription included			✓
	Account team guided digital experience			✓
	HPE Support Center (HPESC) service portal	Limited access	✓	✓
	HPE Concierge (Virtual Assistant)	✓	✓	✓
	Expert chat		✓	✓
	Insights Dashboards: Product summary (+alerts), Incidents, Software (+Firmware downloads), Contracts & Warranties	Contract & Warranties only	✓	✓
	HPE Knowledge & TechTips Video Library		✓	✓
	Monitored HPE Community Forum	No monitored response	✓	✓

(1) Service features, response times, and delivery processes may vary by service, service level, product, and HPE Complete Care Experience Levels. See the Service data sheet for more information; (2) HPE Tech Care: 15-minute response for severity 1 at the Essential and Critical service level. HPE Complete Care: 15-minute response for severity 1 and 2 critical incidents; (3) Critical Event Manager assigned for Severity 1&2 for all service levels; [#] Best effort SLA only; *Mandatory customer self-repair onsite response as determined by HPE

Thank You