



Hewlett Packard
Enterprise

HPE PROLIANT MICROSERVER GEN10 PLUS G5420 8GB-U S100I 4LFF- NHP 180W EXTERNAL PS SERVER (P16005-001)

ProLiant MicroServer



WHAT'S NEW

- Supports Intel® Xeon® 2200 processor series and Pentium® G processors, providing both

OVERVIEW

Are you a small office, home office or small business with branch offices looking to build a customized solution for your office?

compute power and affordable cost.

- HPE iLO 5 provides both Silicon Root of Trust and remote management to the server [2] supporting iLO 5 standard and essential features; you can also upgrade to HPE iLO 5 Advanced.
- Four onboard NIC ports provide enhanced networking capability versus previous generations.
- Expansion slot for more flexible usage - one x16 bandwidth connector.
- The most compact design of a microserver ever! [1] Half the height compared to the previous generation; it can be placed horizontally or vertically.

The HPE ProLiant MicroServer Gen10 Plus delivers an affordable compact yet powerful entry level server that you can customize for on-premises or for hybrid cloud possibilities. It is the most compact MicroServer that we have launched so far [1], which can be placed flat or vertically depending on your space. The latest Intel® Xeon® E and Pentium® processors deliver compute performance as well as security and remote management into the server with HPE iLO Silicon Root of Trust. Along with other enhancements such as 4X 1GbE onboard NICs and USB 3.2 Type A Gen2, you will be surprised that there is nothing Micro about the HPE ProLiant MicroServer Gen10 Plus.

FEATURES

HPE MicroServer Now More Micro and Versatile, Yet More Powerful

The HPE ProLiant MicroServer Gen10 Plus product height is half that of the previous generation (MicroServer Gen10). Measuring at only 4.6 in (11.7 cm) it can be placed either horizontally or vertically to fit different customer work space.

The HPE ProLiant MicroServer Gen10 Plus server, powered by up to four cores in the Intel® Xeon® E Processor and up to 32 GB of 2666 MT/s DDR4 ECC UDIMM, delivers just-right performance for small business applications.

HPE iLO 5 standard and essential functionality (Optional), remote monitoring, restore and maintenance are now available on HPE ProLiant MicroServer Gen10 Plus. Supported by installing an optional iLO Enablement Kit which includes an iLO dedicated port. InfoSight and OneView are also supported.

Four embedded network ports provide the networking needs for small business customers. Optional 1GbE and 10GbE BASE-T and SFP+ standup option cards are supported for those who require more.

Security Innovations

The HPE ProLiant MicroServer Gen10 Plus server is one of the Hewlett Packard Enterprise industry-standard servers with major firmware anchored directly into the silicon security protection built-in across the server lifecycle, starting with Silicon Root of Trust.

Secure Recovery allows server firmware to roll back to the last, known-good state or factory settings after detection of compromised code.

Additional security options are available with Trusted Platform Module (TPM) to prevent unauthorized access to the server and reliably store artifacts used to authenticate the server.



Industry-Leading Services and Ease of Deployment

The HPE ProLiant MicroServer Gen10 Plus server comes with a complete set of services from HPE Pointnext Services, delivering confidence, reducing risk, and helping you realize agility and stability.

HPE Pointnext Services simplifies all stages of the IT journey. Advisory and Professional Services understand customer challenges and design an enhanced solution. Professional Services enables rapid deployment of solutions and Operational Services provides ongoing support.

Services provided under Operational Services include: HPE GreenLake Flex Capacity, HPE Datacenter Care, HPE Infrastructure Automation, HPE Campus Care, HPE Proactive Services, and multivendor coverage.

Hewlett Packard Enterprise IT investment solutions help you transform to a digital business with IT economics that align to your business goals.

HPE Intelligent Provisioning (IP) and HPE Rapid Setup both make server deployment easy; custom RAID and setup with Intelligent Provisioning and auto-intelligent RAID with Rapid Setup.



Technical specifications

HPE ProLiant MicroServer Gen10 Plus G5420 8GB-U S100i 4LFF-NHP 180W External PS Server

Product Number (SKU)	P16005-001
Processor Name	Intel Pentium G5420
Processor core available	2 core
Processor cache	4 MB L3
Processor speed	3.8 GHz
Power supply type	180W external power adapter
Expansion slots	1x 16 PCIe Gen3 Slot
Memory, standard	8 GB (1x 8 GB) UDIMM
Memory type	HPE DDR4 Standard Memory
Included hard drives	None included, four LFF non-hot plug drives supported
System fan features	Non-hot plug, non-redundant
Network controller	1 Intel i350 AM4 1Gb, 4-port network controller
Storage controller	1 HPE Smart Array S100i
Minimum dimensions (H x W x D)	11.6 x 24.5 x 24.5 cm
Weight	4.23 kg
Warranty	Server Warranty includes 1-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part, 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have Hewlett Packard Enterprise replace Optional CSR parts at no charge. 3) Non CSR parts must be serviced by a trained authorized service engineer. Additional information regarding worldwide limited warranty and technical support is available at: http://h17007.www1.hp.com/us/en/enterprise/servers/warranty/ . NOTE: Warranty does not cover support for ClearOS. Support for ClearOS is provided by ClearCenter.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

HPE Pointnext Services leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

HPE GREENLAKE

HPE Greenlake is an as-a-service offering that delivers on-demand capacity and planning, combining the agility and economics of public cloud with the security and performance of on-premises IT.

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[1] The measuring height of the HPE ProLiant MicroServer Gen10 Plus is 4.58 in (11.7 cm), half the size when compared to the previous generation, HPE ProLiant MicroServer Gen10, which measures at 9.25 in (23.5 cm). Hewlett Packard Enterprise Labs, Taipei, Taiwan, November, 2019.

[2] HPE iLO 5 standard and essential remote management features are supported when the HPE ProLiant MicroServer Gen10 Plus iLO Enablement Kit is installed.