

HP ProLiant MicroServer Gen8

Ideal first server: micro sized, big possibilities



A quiet, cool-looking server that's easy on your wallet and great for your home and office

- Collaborate
- Centralize
- Command

Most small and home businesses would benefit by having a server to improve their productivity and efficiency. But hesitate due to a lack of IT expertise and staff needed to install, configure, and maintain the necessary equipment.

You can take your business to the next level with the uniquely designed HP ProLiant MicroServer Gen8. Our Intelligent Provisioning capability makes installation and setup a breeze making it your ideal first server solution. And its small, quiet, and cool design allows it to fit nicely into your existing home and office environments.

The HP MicroServer comes with an optional purpose built HP PS1810 Switch and PS110 Wireless VPN Router solution, that makes it easy for your business to enjoy all the advantages of converged server and network-based computing—sharing files for greater efficiency and productivity, and the peace of mind of knowing that your important business data is protected. And by eliminating time-consuming backups of multiple client devices and consolidating data through a high-speed reliable network, our central server solution makes managing backups easier, while freeing up valuable time so you can focus on your business.

HP ProLiant Gen8 value—worry-free management at its finest

HP ProActive Insight Architecture inside each HP ProLiant Server lets you monitor your network and it provides you with the tools that automate and simplify system provisioning, troubleshooting, and updates.

- Low energy
- Easy setup
- Quiet
- Cost efficient

HP Integrated Lights-Out (iLO) 4 Management Engine provides a complete set of embedded management features to simplify management and increase server uptime. And for timesaving convenience, the optional new HP iLO Essentials adds remote management capabilities so you can access your HP MicroServer from anywhere and at any time via a Web browser or mobile device.

- HP Intelligent Provisioning—enables quick and easy setup including system configuration, deployment, and updating. Plus, everything you need is built into the server—no CDs or DVDs to load
- HP Active Health System—maximize your uptime as the HP Active Health System proactively manages the health of your server 24x7 by predicting and avoiding failures that could lead to unplanned downtime
- HP Smart Update Manager—simplify and consolidate updates according to your schedule. The built-in Smart Update Manager quickly and easily updates your firmware and system software
- Smart Memory—boost data protection by increasing memory and resiliency
- iLO Essentials—remotely manage and troubleshoot your server from your desktop, mobile device, and from just about anywhere
- Integrated management on PS1810 Switch and PS110 Wireless VPN Router—PS1810 Switches and PS110 Wireless VPN Routers automatically discover and monitor the health status of ProLiant Gen8 servers via the iLO interface. This provides a single-pane-of-glass view of the servers and switch from one interface for remote management

Place it anywhere—the compact and quiet, HP MicroServer stacked with the PS1810 Switch and PS110 Wireless VPN Router solution looks and works great, even in your front office

- Easy to set up and configure right out of the box
- Stacked, compact design looks as good as it works, and it emits little heat so you don't have to hide it away in a back office
- Runs quietly in the background with operating noise level of just 21 dBA to handle all your network and storage needs. The PS1810 Switch offers a fanless design
- Get all the power you need for fast, simultaneous access to files with an Intel® processor and 2 GB of RAM (expandable to 16 GB). The optional HP PS1810-8G Switch supports “bonding” or “link aggregation” of the two Ethernet interfaces on the HP MicroServer—doubling data speeds to the HP MicroServer
- Save on your energy bill—the low wattage power supply helps you do more with less power. Green networking features of the PS1810-8G Switch saves on the cost of your network infrastructure

Consolidate your business information into one central server to eliminate chaos and help usher in productivity, collaboration, and security

- Move files off individual hard drives and onto the company drive for centralized access to everything you need to run your business
- Monitor and manage your server remotely with HP iLO Essentials
- Control who has access to your files by setting up different levels of file permissions
- Keep your data protected under your own roof and not in a remote server farm or on individual PCs that are susceptible to viruses and malware

Seamless network connectivity increases simplicity and flexibility

- Integrated management with servers:
 - Compatible with purpose-built HP PS1810 Switch Series and HP PS110 Wireless VPN Router. The eight-port managed switch and the wireless router, both devices, can be stacked on top of the server for a clean and elegant solution
 - Single interface for monitoring status of all servers, routers, and switches in network
 - Automatic discovery of HP ProLiant Gen8 servers on network
 - Link to iLO management page for each server for advanced management
- High-speed reliable connection to HP MicroServer—link aggregation doubles data speeds
- Fanless design for quiet operation
- Lifetime warranty

HP ProLiant MicroServer Gen8

Technical specifications



Processor	Intel® Celeron® G1610T (2.3 GHz/2-core/2 MB/35 W) Processor Intel® Pentium® G2020T (2.5 GHz/2-core/3 MB/35 W) Processor Intel® Core™ i3-3240 (3.4 GHz/2-core/3 MB/55 W) Processor Intel® Xeon® E3-1220L v2 (2.3 GHz/2-core/3 MB/17 W) Processor					
Cache memory	3 MB (1 x 3 MB) L3 Cache for Xeon E3-1220L v2 3 MB (1 x 3 MB) L3 Cache for Core i3-3240 and Pentium G2020T 2 MB (1 x 2 MB) L3 Cache for Celeron G1610T					
Chipset	Intel C204 Chipset					
Management	HP iLO Management Engine, HP iLO Essentials (optional), HP iLO Advanced (optional)					
Memory protection	ECC					
Memory	Type	HP Smart Memory DDR3 Unbuffered (UDIMM)				
	DIMM slots available	2				
	Standard	4 GB (1 x 4 GB) PC3-12800E-11 DDR3 UDIMM				
	Maximum	16 GB (2 x 8 GB) PC3-12800E DDR3 UDIMM				
Network controller	HP Ethernet 1Gb 2-port 332i Adapter					
Expansion slots	Expansion slot#	Technology	Bus width*	Connector width	Form factor	Notes
	1	PCIe 2.0	x16	x16	Low profile	
	* Indicates the number of physical electrical lanes running to a PCIe connector.					
Storage controller	HP Dynamic Smart Array B120i Controller for RAID 0/1/10 Optional HP Smart Array P222 Controller with FBWC for RAID 5					
Internal storage devices	Optical drive			Optional: SATA DVD RW drive		
	Hard drives			Non-ship standard ¹		
Maximum internal storage	Non-hot plug SATA			12 TB (4 x 3 TB) 3.5" SATA		
Interfaces	Video			1 rear standard video		
	USB 2.0 Ports			5 total (2 front, 2 rear, 1 internal)		
	USB 3.0 Ports			2 total (2 rear)		
	Network RJ-45 (Ethernet)			Note: Functional after OS boot		
	HP iLO Remote Management Network Port			2 (port 1 shared for HP iLO 4 as optional configuration)		
	microSD slot			1 Gb dedicated (default iLO 4 configuration)		
				1 (internal)		
Graphics	Integrated Matrox G200 video standard					
	• 1280 x 1024 (32 bpp)					
	• 1920 x 1200 (16 bpp)					
	HP iLO 4 On System Management Memory					
	• 16 MB flash					
	• 256 MB DDR3 with ECC (112 MB after ECC and video)					

¹ Some stock-keeping units (SKUs) include hard disk drives (HDDs). To learn more, visit hp.com/go/microserver.

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Technical specifications (continued)

Form factor	Ultra Micro Tower
Industry standard compliance	ACPI V2.0 compliant PCI (Peripheral Component Interconnect) 2.3 compliant PxP (Pre eXecution Environment) support WOL (Wake on LAN) support IPMI (Intelligent Platform Management Interface) 2.0 compliant USB (Universal Serial BUS) 2.0 USB (Universal Serial BUS) 3.0 SATA (Serial ATA) Gen2
Security	Setup password
Server power cords	The MicroServer models ship standard with a 6" country-specific National Electrical Manufacturers Association (NEMA) power cord. If customers require an alternative local power cord, they can check the power cord matrix for the appropriate country specific SKU. Please see the following power cord matrix: hp.com/go/powercordmatrix
Power supply	150 watts non-hot plug, non-redundant power supply (AMS and APJ models) 200 watts non-hot plug, non-redundant power supply (EMEA models)
System fans	One (1)—non-redundant system fan shipped standard
Operating systems	Microsoft® Windows Server® Red Hat® Enterprise Linux® (RHEL) SUSE Linux Enterprise Server (SLES) VMware®
Power specifications	To review typical system power ratings, use the HP Power Advisor, which is available via the online tool located at hp.com/go/hppoweradvisor

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment. hp.com/go/hpfinancialservices

Network switch accessory

HP PS1810-8G Switch: hp.com/go/ps1810

Network router accessory

HP PS110 Wireless VPN Router: hp.com/go/ps110

Services and support

You can now get the support you need by choosing from one of a number of support options designed to address your unique needs. To find the support service right for you, visit hp.com/go/supportservices.

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