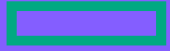


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**Hewlett Packard
Enterprise**

Get More Tour Deep Dive General Purpose & Small Office Deployment




Building Blocks of HPE SMB Solutions

A break down



Start with complete, validated hardware and software stacks

Software-defined storage	Windows Server + StorMagic	Windows Server Datacenter (Storage Spaces Direct)	VMware vSAN VMware vSphere	
Operating system (OS) / Hypervisor	Windows Server	Windows Server (Hyper-V)	Windows Server IoT	VMware vSphere
Hardware management	iLO Standard	iLO Advanced	iLO Standard/iLO Advanced Instant On Mobile App	
Hardware				
Servers				
Storage				
Networking				
Backup				



HPE SMB Solutions



General Purpose

Small Office Deployment

Virtualization

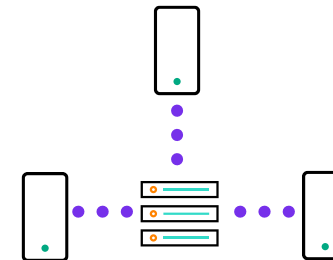
Database & Applications

Remote Workers

Shared Storage

Hyperconverged Infrastructure (HCI)

Backup & Recovery





General Purpose

a HPE SMB Solution



General Purpose – Flexible configurations for small environments



Challenges

- Overkill of specialized servers
- One or two flexibly configured servers is all that is needed



General Purpose – Flexible configurations for small environments



Benefits

- Low-cost basic server configuration.
- Simple, affordable and flexible solution for noncomplex workloads.
- Modules: file and print, infrastructure management, client end-point security, and small-scale virtualization.



HPE SMB Solutions for General Purpose

Flexible configurations for small environments

Micro

Support for 10 users



HPE ProLiant MicroServer Gen10 Plus
and MicroServer Gen10 Plus v2

Small

Support for 25 users



HPE ProLiant ML30 Gen10 Plus or
DL20 Gen10 Plus Servers

Medium

Support for 50 users



HPE ProLiant ML110 Gen10 or
DL160 Gen10 Servers

Large

Support for 100 users



HPE ProLiant ML350 Gen10 or
DL380 Gen10 Servers

Modules include: **File & print, Infrastructure, Utility/endpoint management and Multifunction**

Configuration guide



Configuration guide

HPE SMALL BUSINESS SOLUTIONS FOR GENERAL PURPOSE

Base platform	Solution size	CPU	Modules			
			File and Print	Infrastructure	Utility/endpoint management	Multifunction
HPE ProLiant MicroServer Gen10 Plus	10 users	Intel® Xeon® E-2224 (4 core / 3.4 GHz)	16 GB RAM 1 TB HDD	16 GB RAM 240 GB SSD	32 GB RAM 480 GB SSD	32 GB RAM 720 GB SSD
HPE ProLiant ML30 Gen10 Plus	25 users	Intel Xeon E-2314 (4 core / 2.8 GHz)	16 GB RAM 2 TB HDD	16 GB RAM 480 GB SSD	32 GB RAM 960 GB SSD	32 GB RAM 1.44 TB SSD
HPE ProLiant ML110 Gen10	50 users	Intel Xeon Scalable 4208 (8 core / 2.1 GHz)	16 GB RAM 4 TB HDD	16 GB RAM 480 GB SSD	32 GB RAM 960 GB SSD	64 GB RAM 1.44 TB SSD
HPE ProLiant ML350 Gen10	100 users	Intel Xeon Scalable 3206R (8 core / 1.9 GHz)	32 GB RAM 12 TB HDD	32 GB RAM 960 GB SSD	64 GB RAM 1.92 TB SSD	96 GB RAM 2.88 TB SSD
HPE ProLiant DL20 Gen10 Plus	25 users	Intel Xeon E-2314 (4 core / 2.8 GHz)	16 GB RAM 2 TB HDD	16 GB RAM 480 GB HDD	32 GB RAM 960 GB SSD	64 GB RAM 960 GB SSD
HPE ProLiant DL160 Gen10	50 users	Intel Xeon Scalable 3206R (8 core / 1.9 GHz)	16 GB RAM 4 TB HDD	16 GB RAM 480 GB SSD	32 GB RAM 960 GB SSD	64 GB RAM 1.44 TB SSD
HPE ProLiant DL380 Gen10	100 users	Intel Xeon Scalable 3204 (6 core / 1.9 GHz)	32 GB RAM 12 TB HDD	32 GB RAM 960 GB SSD	64 GB RAM 1.92 TB SSD	96 GB RAM 2.88 TB SSD

Note: Usable disk capacity depends on the RAID level configured; see configuration details for more info.

Table 3 and 4 provides a detailed description of the hardware configurations of the current HPE SMB Solutions for General Purpose.

TABLE 3. HPE SMB Solutions for General Purpose (tower based)

	HPE ProLiant MicroServer Gen10 Plus	HPE ProLiant ML30 Gen10 Plus	HPE ProLiant ML110 Gen10	HPE ProLiant ML350 Gen10
Solution capacity	10 users	25 users	50 users	100 users
Form factor	Micro tower server 4 x LFF non-hot-plug bays	Tower server 4 x LFF hot-plug bays	Tower server 4 x LFF hot-plug bays	Tower server 4 x LFF hot-plug bays
Processor	Intel Xeon E-2224 (4 core / 3.4 GHz)	Intel Xeon E-2314 (4 core / 2.8 GHz)	Intel Xeon Scalable 4208 (6 core / 2.1 GHz)	Intel Xeon Scalable 3206R (6 core / 1.9 GHz)
Memory	1 x 16 GB	1 x 16 GB	1 x 16 GB	1 x 16 GB
Disk controller	HPE S100i Gen10 (embedded)	Intel® VROC (embedded)	HPE S100i Gen10 (embedded)	HPE S100i Gen10 (embedded)
Network	4 x ports 1GbE	2 x ports 1GbE	2 x ports 1GbE	4 x ports 1GbE
Power supply	1 x 180W (external power supply)	1 x 350W	1 x 550W	1 x 500W
OS software	Microsoft Windows Server 2022 Standard Microsoft Windows Server 2019 Standard			
File and Print Module	2 x 1 TB SATA HDD	2 x 2 TB SATA HDD	2 x 4 TB SATA HDD	1 x 16 GB DDR4 DIMM 4 x 4 TB SATA HDD
Infrastructure Module	2 x 240 GB SATA SSD	2 x 480 GB SATA SSD	2 x 480 GB SATA SSD	1 x 16 GB DDR4 DIMM 2 x 960 GB SATA SSD
Utility Module	1 x 16 GB DDR4 DIMM 3 x 240 GB SATA SSD	1 x 16 GB DDR4 DIMM 3 x 480 GB SATA SSD	1 x 16 GB DDR4 DIMM 3 x 480 GB SATA SSD	3 x 16 GB DDR4 DIMM 3 x 960 GB SATA SSD
Multifunction Module	1 x 16 GB DDR4 DIMM 4 x 240 GB SATA SSD	1 x 16 GB DDR4 DIMM 4 x 480 GB SATA SSD	3 x 16 GB DDR4 DIMM 4 x 480 GB SATA SSD	5 x 16 GB DDR4 DIMM 4 x 960 GB SATA SSD

TABLE 4. HPE SMB Solutions for General Purpose (rack based)

	HPE ProLiant DL20 Gen10 Plus	HPE ProLiant DL160 Gen10	HPE ProLiant DL380 Gen10
Solution capacity	25 users	50 users	100 users
Form factor	Rack server 2 x LFF hot-plug bays	Rack server 4 x LFF hot-plug bays	Rack server 8 x LFF hot-plug bays
Processor	Intel Xeon E-2314 (4 core / 2.8 GHz)	Intel Xeon Scalable 3206R (8 core / 1.9 GHz)	Intel Xeon Scalable 3204 (6 core / 1.9 GHz)
Memory	1 x 16 GB	1 x 16 GB	1 x 16 GB
Disk controller	Intel VROC (embedded)	HPE S100i Gen10 (embedded)	HPE S100i Gen10 (embedded)

Small Office Deployment

a HPE SMB Solution



Small Office Deployment – Office-in-a-box



Challenges

- Secure Wi-Fi connectivity
- Limited application performance
- Time-consuming with sizing, deploying, managing, supporting a server, storage and Wi-Fi network



Small Office Deployment – Office-in-a-box



Benefits

- Complete IT Infrastructure: server, storage, networking
- Superior wireless connectivity
- Better application performance



HPE SMB Solutions for Small Office Deployment

Complete Office-in-a-box

Micro

Support for 10 users



HPE ProLiant MicroServer Gen10 Plus v2
Aruba Networking Instant-On
HPE RDX Removable Disk Backup
(optional)

Small

Support for 25 users
(or 10 remote + 15 on-prem)



HPE ProLiant ML30 Gen10 Plus
Aruba Networking Instant-On
HPE RDX Removable Disk Backup
Windows 2022 RDS CALs (optional)

Large

Support for 100 users
(or 20 remote + 80 on-prem)



HPE ProLiant DL20 Gen10 Plus Intel
Aruba Networking Instant-On
HPE StoreEasy Storage
HPE RDX Removable Disk Backup
Windows 2022 RDS CALs (optional)

Extra Large

Support for 150 users
(or 40 remote + 110 on-prem)



HPE ProLiant DL345 Gen10 Plus AMD
Aruba Networking Instant-On
Windows 2022 RDS CALs (optional)

Configuration guide

HPE Small Business Solutions for Small Office Deployment

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Build your solution

Step 1: Size your solution

HPE Small Business Solutions for Small Office Deployment are sized by the number of users and/or devices they will support. The following table shows the available configurations, with guidance on which base configuration to select based on the number of users/devices you need to support.

Table 1. Small Office Deployment Solution Portfolio

Solution size	Supported users	Server	Networking
Micro	10 on-prem	MicroServer Gen10 Plus	AP11 (1—Optional)
Small	25 on-prem or 15 on-prem + 10 remote	ML30 Gen10 Plus	AP22 (2) + 1930 Sw (1)
Medium	100 on-prem or 80 on-prem + 20 remote	DL20 Gen10 Plus	AP22 (5) + 1930 Sw (2)
Large	150 on-prem or 100 on-prem + 50 remote	DL345 Gen10 Plus	AP22 (6) + 1960 Sw (3) + 1960 PoE Sw (1)

Table 2. Base system plus offer elements

Platform	MicroServer Gen10 Plus	ML30 Gen10 Plus	DL20 Gen10 Plus	DL345 Gen10 Plus
Solution capacity	Up to 10 on-premises users (two devices per user)	Up to 25 on-premises users (two devices per user) or 15 on-premises users and 10 remote users	Up to 100 on-premises users (two devices per user) or 80 on-premises users and 20 remote users	Up to 150 on-premises users (two devices per user) or 100 on-premises and 50 remote users
System	Micro Tower 4 LFF NHP drive bays	4U Tower 4 LFF Hot plug drive bays	1U Rack 4 SFF Hot Plug drive bays	2U Rack 8 LFF Hot Plug drive bays
Processor	1 x Intel® Xeon® E-series 3.4 GHz/4-core	1 x Intel Xeon E-series 2.8 GHz/4-core	1 x Intel Xeon E-series 3.4 GHz/6-core	AMD EPYC 3.1 GHz/8-core
Memory	1 x 16 GB PC4-2666	2 x 16 GB PC4-2666	2 x 16 GB PC4-2666	2 x 32 GB PC4-3200
Storage	4 x 1 TB 6G 7.2K SATA HDDs	4 x 1 TB 7.2K SATA HDD	2 x 2.4 TB 12G 10K SAS HDDs 2 x 300 GB 10K SAS HDDs	4 x 2 TB 7.2K SATA HDDs 2 x 480 GB 6G SATA SSDs
Disk controller	HPE Smart Array E208i-p Gen10	Intel® VROC	HPE MR216i-a Gen10 Plus	HPE Smart Array P408i Gen10
Network	4 x ports at 1GbE 1 x port HPE iLO Enablement Kit	2 x ports at 1GbE	2 x ports at 1GbE	4 x ports at 1GbE 1 x port HPE iLO (embedded)
Power supply	1 x 180W external power supply	1 x 350W PSU	2 x 500W Redundant PSU	2 x 500W Redundant PSU
Expanded storage	N/A	N/A	(Optional) HPE StoreEasy 1460 8 TB SATA NAS	N/A
Business Continuity	1 x RDX Removable Disk Backup System w/2 TB cartridge (USB 3.0 connectivity)	1 x RDX Removable Disk Backup System w/2 TB cartridge (USB 3.0 connectivity)	1 x RDX Removable Disk Backup System w/4 TB cartridge (USB 3.0 connectivity)	N/A
Switch	(Optional) 1 x Aruba Instant On 1930 8 port PoE 1GbE Switch	1 x Aruba Instant On 1930 24 port PoE 1GbE Switch	1 x Aruba Instant On 1960 24 port PoE switch 2 x Aruba Instant On 1960 48 port (non-PoE) switch	1 x Aruba Instant On 1960 12 port 10GbE Base-T switch 1 x Aruba Instant On 1960 24 port PoE switch 2 x Aruba Instant On 1960 48 port (non-PoE) switch
Access Point	1 x Aruba Instant On AP11 Wireless Access Points (Optional) 1 x Aruba Instant On AP11D Desktop Wireless Access Point	2 x Aruba Instant On AP22 Wireless Access Points (Optional) 1 x Aruba Instant On AP25 Wireless Access Point	4 x Aruba Instant On AP22 Wireless Access Points (Optional) 1 x Aruba Instant On AP25 Wireless Access Point	6 x Aruba Instant On AP22 Wireless Access Points (Optional) 2 x Aruba Instant On AP25 Wireless Access Points
Software			Microsoft Windows Server 2019/2022 Standard ROK Microsoft Windows RDS CALs HPE iLO Advanced Aruba Instant On mobile App Veeam Backup and Replication (Optional)	