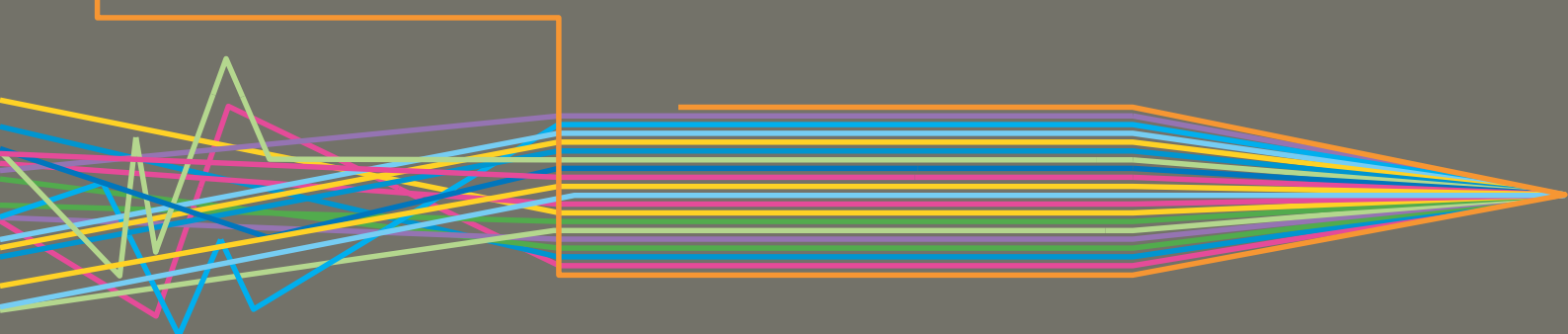


G6 – The New Generation.

In association with HP & Intel



Contents.

Introducing the new HP Proliant G6 servers	3
Spend less for power	
Uniting physical and virtual worlds	
Make your money count	
G6 to G5 Comparison	7
HP Proliant DL320	
HP Proliant DL360	
HP Proliant DL380	
HP Proliant DL120	
HP Proliant DL180	
HP Proliant BL280c	
HP Proliant BL460c	
New models	14
HP Proliant Multi-Node G6	
HP Proliant BL490c G6	

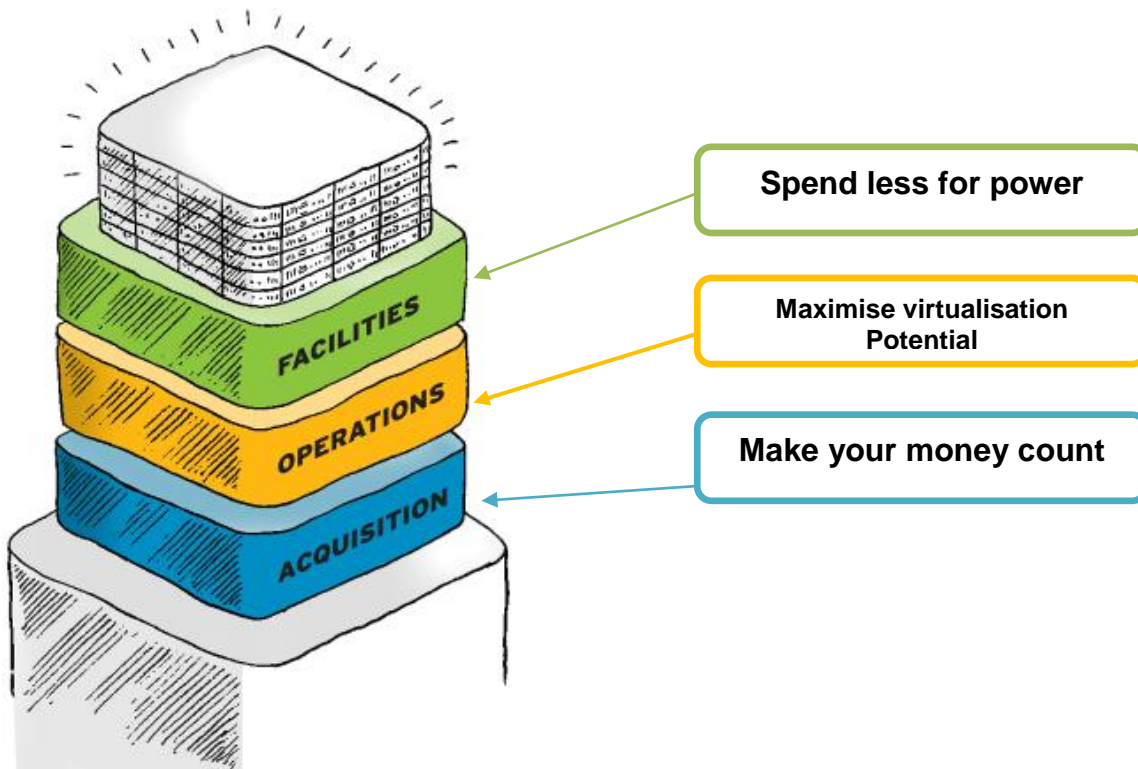


Our knowledge. Your business.

It works.

Introducing the new HP Proliant G6 servers

10 new platforms, including racks, towers and blades, designed with three goals in mind:



Minimize power consumption: Allowing you to spend less for power and have more for your business

Maximize virtualization potential: Enabling you to squeeze every bit of productivity out of your server infrastructure

Get the most out of your budget: Make every server purchase count, demand performance and durability and deliver a resilient, optimized infrastructure.

Spend Less for More power.



The new line of ProLiant server uses HP's exclusive Thermal Logic Technology to deliver up to double the power efficiency.

Triple the capacity of your data center with Dynamic Power Capping.

Continuously optimize efficiency with Sea of Sensors.

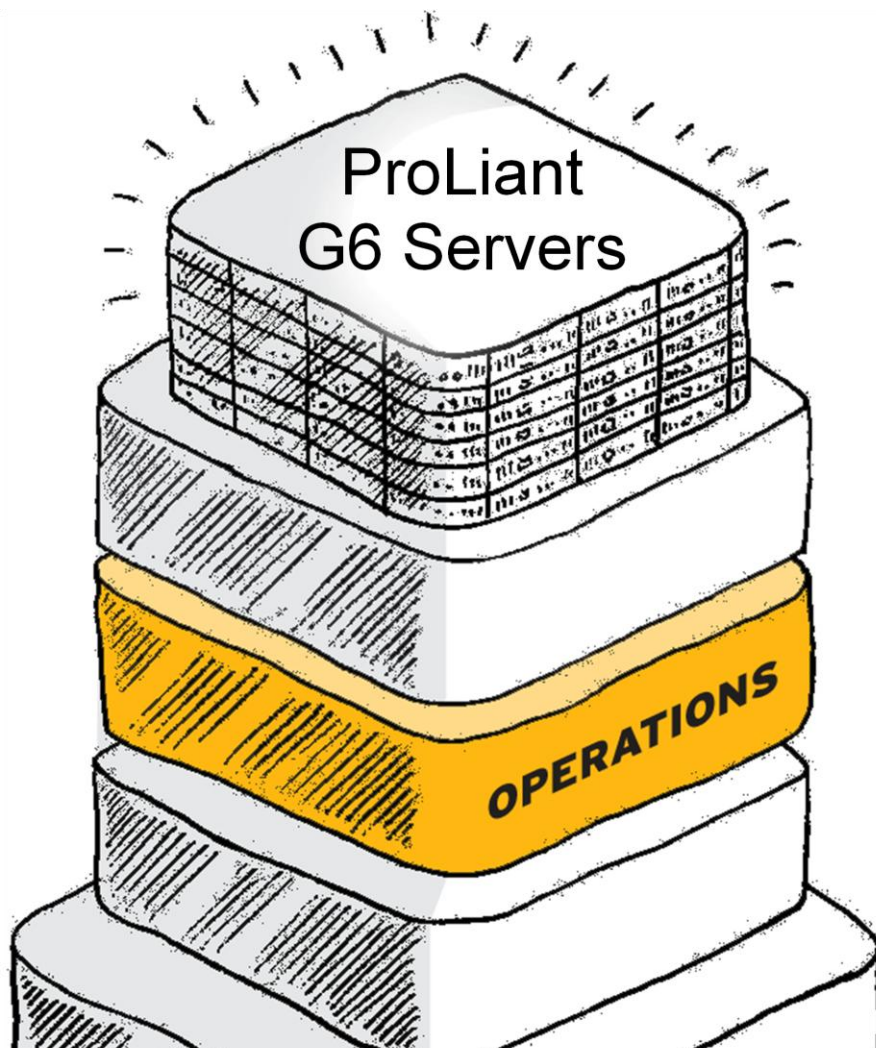
Tailor configuration for maximum energy savings with Common Power Supplies.

Half the power consumption of the previous generation.
G6 is the world's most energy efficient server.

Our knowledge. Your business.

It works.

Uniting Physical and Virtual Worlds.



Given the tough economy, HP recognises that you don't have all the resources you need. This new generation of servers comes with a unique set.

Simplify setup and operations with ProLiant Onboard Administrator.

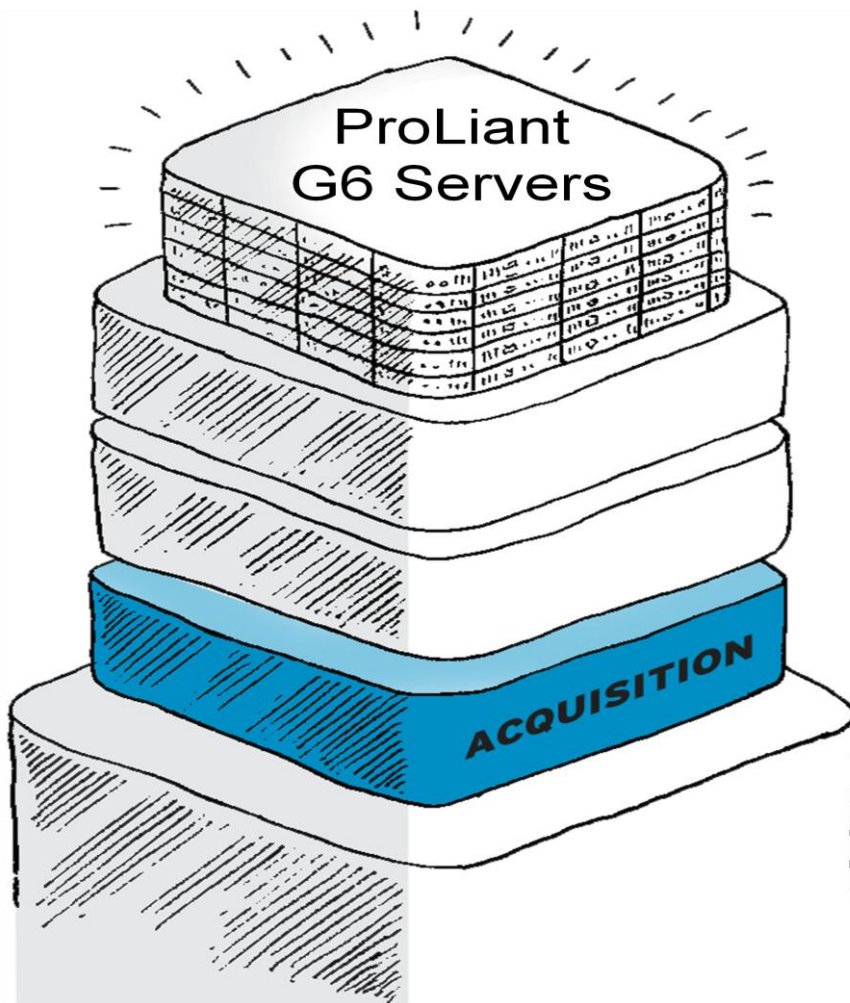
Reduce operational expenses with Insight Control (Discounted bundle on selected models).

Decrease virtualisation complexity with Insight Dynamics-VSE and Flex-10

Our knowledge. Your business.

It works.

Make your money count.



Make every server purchase count.

In today's world, content does not have a downturn and downtime is not an option. You need to be able to handle increased demands and deliver a resilient infrastructure all while spending less money. It's a seemingly impossible challenge that requires a new approach for success. The HP ProLiant G6 was designed for these challenges.

Double productivity with half the servers.

Simplify transition with Insight Server Migration.

Quickly resolve problems with Insight Remote Support.

Customise service with Proactive Select.

Upgrade within budget with HP Financial Services.

Our knowledge. Your business.

It works.

HP Proliant DL320.

	DL320 G5p	DL320 G6
Processor	1P Xeon (Yorkfield/Wolfdale)	1P Xeon (Nehalem)
Memory	4 Sockets, DDR2 800MHz	9 Sockets, DDR3 1067/1333 Unbuff and Reg ECC
Drive Bays	4 LFE SATA/SAS HP	2 or 4 LFF SATA/SAS HP (8FF optional)
Storage Controller	SW RAID embedded; SAS HBA or Controller for SAS	HP SW RAID embedded; SAS HBA or Controller for SAS
Slots	<u>2 Available slots</u> 1 full length PCIE x8 1 half length low profile PCI-E x1	<u>2 Available slots</u> 1 full length PCI-E gen 2x16 1 half length low profile PCI-E gen 2 x4 1 Optional PCI-X 133 replaces full length PCI-E
Networking	Dual-port Gigabit NIC (1 Broadcom 5715)	Dual Port Gigabit NIC (1 Broadcom 5715)
Ports	USB: 2 front, 1 internal, 2 rear video, Serial, PS/2	USB: 2 front, 1 internal, 4 rear video, Serial PS/2
Management	iLO 2	Proliant Onboard Administrator powered by



Our knowledge. Your business.

It works.

HP Proliant DL360.

	DL360 G5	DL360 G6
Processor	Intel Xeon 5000 Sequence	Intel Nehalem - EP
Memory	8 Sockets, DDR2 667MHz 64GB max.	18 Sockets, DDR3 800Mhz to 1333MHz 144GB max.
Drive Bays	6 SFF SAS/SATA	8 SFF SAS/SATA
Storage Controller	P400i/E200i	P410i
Slots	<u>2 Available Slots</u> -1full length x16 PCI-e /-1 low profile PCI-e x8 -1 optional PCI-x 133 replace full length PCI-	<u>2 Available Slots</u> -1full length x16 PCI-e Gen2/-1 low profile x8 PCI-e Gen2 -1 optional PCI-x 133 replace full length PCI-e
Networking	2 NIC ports [NC373i Multifunction (Broadcom)	2 NIC ports, NC382i
Ports	Front: USB (1), video Rear: USB (2), Video, NIC / Internal: USB (1)	Front: USB (1), video Rear: USB (2), Video, NIC / Internal: USB (1)/ SD slot (1)
Management	ILO 2	Onboard Administrator w/ ILO 2
Security		TPM option
Redundancy	Fan: N+1 Power:1	Fan: N+1 Power:1



Our knowledge. Your business.

It works.

HP Proliant DL380.

	DL380 G5	DL380 G6
Processor	Intel Xeon 5000 Sequence	Intel Nehalem - EP
Memory	8 Sockets, DDR2 667MHz 64GB max.	18 Sockets, DDR3 800MHz to 1333MHz 144GB max.
Drive Bays	8 SFF SAS/SATA	Up to 16 SFF SAS/SATA or 6 LFF SAS/SATA (Different drive cages for SFF and LFF)
Storage Controller	P400/E200	P410i
Slots	PCI-E Gen 1: Embedded: 2X4 PCI-E Standard Riser: 1X4 and 2 X8 PCI-E Optional Riser: PCI-X/PCI-E (2 PCI-X, 1X8 PCI-E) (Max. PCI-E slots: 4)	PCI-E Gen 2: Standard Riser: 1X8 and 2 X4 PCI-E Optional Risers: X16 PCI-E; PCI-X/PCI-E (2 PCI-X/133, 1X8, 1 X4 PCI-E (Max. PCI-E slots: 6)
Networking	2 NIC ports, NC373i	4 NIC ports, NC382i
Ports	Front: USB (2), video Rear: USB (2), Video, NIC Internal: USB (1)	Front: USB (2), video Rear: USB (2), Video, NIC Internal: USB (1)/ SD slot (1)
Management	ILO 2	Onboard Administrator w/ ILO 2
Security		TPM option
Redundancy	Fans: Hot plug with optional redundancy Power: 1	Fans: Hot plug with optional redundancy Power: 1



Our knowledge. Your business.

It works.

HP Proliant DL120.

	DL120 G5	DL120 G6
Processor	1P Xeon (Yorkfield/Wolfdale)	1P Xeon (Lynnfield/Clarkdale)
Memory	4 Sockets, DDR2 800MHz Unbuff ECC	6 Sockets, DDR3 1067/1333 Unbuff and Reg ECC
Drive Bays	2 LFF SATA/SAS NHP	2 or 4 LFF SATA/SAS NHP/HP
Storage Controller	SW RAID embedded; SAS HBA or Controller for SAS	HP SW RAID embedded; SAS HBA or Controller for SAS and/or HP
Slots	2 Available slots 1 full-length PCI-E x8 1 half length low-profile PCI-E x4 1 optional PCI-X 133 replaces full-length PCI-E	2 Available slots 1 full-length PCI-E gen 2 x16 1 half length low-profile PCI-E gen 2 x4 1 optional PCI-X 133 replaces full-length PCI-E
Networking	Single Gigabit NIC (1x Broadcom 5722)	Dual Gigabit NICs (1x Broadcom 5723)
Ports	USB: 2 front, 1 internal, 2 rear Video, Serial, PS/2	USB: 2 front, 1 internal, 4 rear Video, Serial, PS/2
Management	LO100c	LO100i; System setup and update, health agents, SIM support (Polaris & Lighthouse)
Security		TPM option; IPMI ready
Redundancy	Non-RPS	400W; Non-RPS



Our knowledge. Your business.

It works.

HP Proliant DL180.

	DL180 G5	DL180 G6
Processor	Xeon Quad/Dual Core	2P Xeon (Nehalem EP)
Memory	6 Sockets, DDR2 667 FBD	12 Sockets , DDR3 1067/1333
Drive Bays	4/8/12 LFF SATA/SAS	4/8/12/14 LFF SATA/SAS (4/8/12 standard +2 rear upgrade) 8/25 SFF
Storage Controller	SATA RAID embedded with entry models; SA E200 or P400 on other models;	HP SATA RAID with entry models (ICH-9); P212 and P410 on other models
Slots	3 Available slots 2 full-length PCI-e x4 1 low-profile PCI-e x8 2 optional PCI-X 133 replaces full-length PCI-E slots	3 Available slots 2 full-length PCI-E x8 Gen 2 1 low-profile PCI-E x16 Gen 2 2 optional PCI-X 133 replaces full-length PCI-E OR 1 optional PCI-E x16 Gen 2
Networking	1 Gigabit NIC	2 Gigabit NICs
Ports	USB: 2 front, 1 internal, 2 rear Video, Serial, PS/2	USB: 2 front, 1 internal, 2 rear Video, Serial, PS/2
Management	LO100	LO100; System setup and update, health agents, SIM support (Polaris & Lighthouse)
Security		TPM option
Redundancy	HP RPS	HP RPS



Our knowledge. Your business.

It works.

HP ProLiant BL280c.

	HP ProLiant BL260c G5	HP ProLiant BL280c G6
Processors	Two quad-, dual-, or single-core Intel® Xeon®, Core™2 Duo or Celeron® processors	Two dual- or quad-core Intel® Nehalem-EP Series
Memory	48GB 6 Sockets DDR2 533/667MHz	96GB 12 Sockets Registered or Unbuffered DDR3
Internal Storage	SATA 2 SFF non hot-plug drive bays HP Embedded SATA RAID Controller*	SATA, SAS, SSD 2 SFF non hot-plug drive bays HP Embedded SATA RAID Controller*
Network Ports	Two 1Gb Ethernet ports	Two 1Gb Ethernet ports
I/O Slots	One PCI Express mezzanine slot	Two PCI Express mezzanine slots
Integrated Management	iLO-2 Standard Blade Edition	iLO-2 Standard Blade Edition
Additional Features	Internal USB 2.0 connector	Internal USB 2.0 connector Internal SD card slot TPM support
Density	16 blades in 10U; 8 blades in	16 blades in 10U; 8 blades in



Our knowledge. Your business.

It works.

HP ProLiant BL460c.

	HP ProLiant BL460c G5	HP ProLiant BL460c G6
Processors	Two dual- or quad-core Intel® Xeon®	Two dual- or quad-core Intel® Nehalem-EP Series
Memory	64GB 8 Sockets Fully-Buffered DDR2 667MHz	96GB 12 Sockets Registered or Unbuffered DDR3
Internal Storage	SATA, SAS 2 SFF hot-plug drive bays Smart Array E200i Optional 128MB battery-backed write cache RAID 0,1	SATA, SAS 2 SFF hot-plug drive bays Smart Array P410i Optional cache and battery-backed write cache RAID 0,1
Network Ports	Two multifunction 1Gb Ethernet ports	Embedded dual-port Flex-10 10GbE Multifunction server adapter
I/O Slots	Two PCI Express mezzanine slots	Two PCI Express mezzanine slots
Integrated Management	iLO-2 Standard Blade Edition	iLO-2 Standard Blade Edition
Additional Features	Internal USB 2.0 connector	Internal USB 2.0 connector Internal SD card slot TPM support
Density	16 blades in 10U; 8 blades in 6U	16 blades in 10U; 8 blades in 6U



Our knowledge. Your business.

It works.

HP Proliant Multi-Node G6.

Processor	Intel Nehalem-EP Series (quad-core)
Memory	16 Sockets DDR3 Registered or Unbuffered / 96GB max. at launch
Drive Bays	Up to 12 LFF or 24 SFF HDDs Hot plug SAS/SATA optional
Storage Controller	HP SW RAID embedded Smart Array PCI-E Upgrade
Slots	Without I/O expansion (1) x16 (LP) With I/O Expansion (2 node configs only) x16 (FH/FL), x4 (FH/HL), x4 (LP) or x8 (FH/FL), x8 (FH/HL), x8 (LP) or x16 (FH/FL), x8 (LP)
Networking	Dual-port Gigabit NIC per node
Ports	Rear per node: video, serial, 2 x USB (1 internal USB)
Management	LO100i; System setup and update, health agents, SIM support Sideband support, optional dedicated management port
Security	TPM option
Redundancy	



Our knowledge. Your business.

It works.

HP Proliant BL490c G6.

Processor	Up to two Quad-Core Intel® Xeon® processor 5500 series (Nehalem-EP)
Memory	18 DIMM Sockets DDR3 Registered or Unbuffered DIMMs 144 GB max
Internal Storage	2 SFF non hot-plug drive bays (SSD only) HP Embedded SATA Controller Direct-Attached and Shared Storage connect options
Networking	Embedded dual-port Flex-10 10GbE Multifunction server adapter
Mezzanine Slots	2mezzanine slots x8 PCIe Type-1 Mezzanine expansion slot x8 PCIe Type-2 Mezzanine expansion slot
Additional Features	Internal USB 2.0 connector Internal SD Card slot TPM support
Management	iLO-2 Standard Blade Edition Power Meter, Power Regulator, Power Capping
Density	16 server blades in 10U enclosure 8 server blades in 6U enclosure



Our knowledge. Your business.

It works.

G6 is available NOW!

**For more information and to get the best available pricing
contact your CAE Account Manager.**

Head Office - Watford

Tel: 0845 643 0033
Email: itworks@caeuk.com
Web: www.caeuk.com

CAE Technology Services
Colonial Way, CAE House, Watford
Hertfordshire, WD24 4PT

London Office

Tel: 020 7618 8535
Email: london@caeuk.com
Web: www.caeuk.com

CAE Technology Services
20-06 City Tower, 40 Basinghall Street
London, EC2V 5DE

Cardiff Office

Tel: 0292 0375 080
Email: cardiff@caeuk.com
Web: www.caeuk.com

CAE Technology Services
The Old Brewery Quarter, St Mary Street
Cardiff, CF10 1AD

Oxford Office (Education)

Tel: 08708 500 510
Email: oxford@caeuk.com
Web: www.caeuk.com

CAE Technology Services
Unit 9 Wheatley Business Centre
Old London Rd, Wheatley, Oxon, OX33 1YW

Bracknell Office

Tel: 0871 704 1805
Email: bracknell@caeuk.com
Web: www.caeuk.com

CAE Technology Services
Venture House, Drownshire Way
Arlington Square, Bracknell, Berkshire, RG12 1WA

