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Top Value September Edition

The best combined options kits!

"NO NONSENSE FILE&PRINT XII"

HP PROLIANT ML350 G6

Ref.: 470065-115

- Intel® Xeon® Quad-Core processor E5506 (2.13 GHz, 4 MB)
- 2 x 146 GB 15K rpm LFF (3.5") SAS Hot Plug hard disk

2 035 € excl. VAT

2 462,35 € incl. VAT

See page 3 for more information.

Technology for better business outcomes.

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G6 Line up:



HP PROLIANT SERVERS	"SMALL OFFICE SERVER IV" HP PROLIANT ML110 G5	"MEDIUM OFFICE SERVER II" HP PROLIANT ML150 G6	"THE HASSLE-FREE SMALL NETWORK SERVER VI" HP PROLIANT ML310 G5p
Product reference	470065-132	518177-425	470065-120
Price	515 € excl. VAT 623,15 € incl. VAT	970 € excl. VAT 1 173,70 € incl. VAT	770 € excl. VAT 931,70 € incl. VAT
Processor	Intel® Xeon® Dual-Core processor X3110 (3 GHz, 6M)	Intel® Xeon® Dual-Core processor 5502 (1.86 GHz, 6M)	Intel® Xeon® Quad-Core processor X3220 (2.40 GHz, 8 MB L2 Cache, 1066 MHz FSB)
Memory	1 GB (1 x 1 GB) PC2-6400 DDR2 800 MHz ECC unbuffered memory	1 GB PC3-10600 unbuffered DIMM	2 GB (1 x 2 GB) PC2-6400 registered buffered DIMMs
Storage	250 GB SATA Hard Disk integrated (3 free HDD bays)	2 x 250 GB LFF SATA hot plug Hard Disk	250 GB LFF SATA hot plug Hard Disk
Storage controller	Embedded 4-disk SATA controller with SATA RAID 0, 1	Smart Array B110i SATA RAID controller	Embedded SATA with integrated SATA RAID 0,1
Optical drive	DVD-RW optical drive	DVD optical drive	DVD-RW optical drive
Power supply redundancy	/	/	/
Warranty	1 year, next business day on-site	1 year, next business day on-site	1 year, next business day on-site

OPTION PACKS

	OS Pack This server with Microsoft® Windows® SBS 2008 Standard Edition (EN) Ref.: 470065-132 + 504543-B21 1 055 € excl. VAT 1 276,55 € incl. VAT	OS Pack This server with Microsoft® Windows® SBS 2008 Standard Edition (EN) Ref.: 518177-425 + 504543-B21 1 510 € excl. VAT 1 827,10 € incl. VAT	OS Pack This server with Microsoft® Windows® Server 2008 Standard Edition (EN) (32bit/x64) with 5 CALs (ROK) Ref.: 470065-120 + 468724-B21 1 270 € excl. VAT 1 536,70 € incl. VAT
	Performance Pack 1 GB unbuffered PC2-6400 ECC DIMM (1 x 1 GB) memory kit Ref.: 450259-B21 25 € excl. VAT 30,25 € incl. VAT	Performance Pack 2 GB (1 x 2 GB) unbuffered DDR3 PC3-10600 dual rank memory kit + Intel® Xeon® Dual-Core processor E5502 (1.86 GHz-4MB/DDR3-800 DC, 80W) option kit (ML150 G6) Ref.: 500670-B21 + 507720-B21 335 € excl. VAT 405,35 € incl. VAT	Performance Pack 2 GB unbuffered PC2-6400 ECC DIMM (1 x 2 GB) memory kit Ref.: 450260-B21 45 € excl. VAT 54,45 € incl. VAT
	Storage Pack 500 GB 3G SATA 7.2K rpm LFF NHP MDL Hard Drive (3.5") Ref.: 458941-B21 220 € excl. VAT 266,20 € incl. VAT	Storage Pack 250 GB 3G SATA 7.2K rpm LFF hot plug MDL Hard Drive (3.5") Ref.: 2 x 458926-B21 105 € excl. VAT 127,05 € incl. VAT	Storage Pack 250 GB 3G SATA 7.2K rpm LFF hot plug MDL Hard Drive (3.5") + HP Smart Array E200/128 MB Controller with BBWC Ref.: 458926-B21 + 411508-B21 415 € excl. VAT 502,15 € incl. VAT
	Uptime Pack /	Uptime Pack /	Uptime Pack /
	HP Care Pack 3 year, 4-hour response - 13x5 HP ProLiant ML11x HW Support Ref.: U4434E 304 € excl. VAT 367,84 € incl. VAT	HP Care Pack 3 year, 4-hour response - 13x5 HP ProLiant ML150 HW Support Ref.: U8192E 348 € excl. VAT 421,08 € incl. VAT	HP Care Pack 3 year, 4-hour response - 13x5 HP ProLiant ML310 HW Support Ref.: U4446E 515 € excl. VAT 623,15 € incl. VAT



HP STORAGEWORKS SOLUTIONS	HP STORAGEWORKS RDX160 INTERNAL WITH 3 MEDIA BUNDLES	HP STORAGEWORKS RDX320 INTERNAL WITH 3 MEDIA BUNDLES	HP STORAGEWORKS DAT160 USB INTERNAL TAPE DRIVE WITH 5 TAPES
Product reference	AP708AT	AP709AT	AG908AT
Price	475 € excl. VAT 574,75 € incl. VAT	725 € excl. VAT 877,25 € incl. VAT	620 € excl. VAT 750,20 € incl. VAT
Specifications	<ul style="list-style-type: none"> • 160 GB removable disk backup system • Cartridges: from 160, 320 up to 500 GB • Data transfer rate: 108 GB/hour • HP continuous backup software included • 1 year parts exchange warranty 	<ul style="list-style-type: none"> • 320 GB removable disk backup system • Cartridges: from 160, 320 up to 500 GB • Data transfer rate: 108 GB/hour • HP continuous backup software included • 1 year parts exchange warranty 	<ul style="list-style-type: none"> • 80 GB native, 160 GB compressed • Cartridges: from 80 up to 160 GB • Data transfer rate up to 49,3 GB/hour • HP Data Protector Express Single Server Edition included met one-button disaster recovery • 3 year parts exchange warranty

ready! set! go!



"SMALL BUSINESS SERVER STARTER BUNDLE"
HP PROLIANT ML310 G5p

"SMALL POWERHORSE I"
HP PROLIANT ML330 G6

"NO NONSENSE FILE&PRINT XII"
HP PROLIANT ML350 G6

"MID-RANGE SMALL BUSINESS POWERHOUSE VIII"
HP PROLIANT ML350 G5

470065-121	517607-425	470065-115	470064-980
1 925 € excl. VAT 2 329,25 € incl. VAT	1 130 € excl. VAT 1 367,30 € incl. VAT	2 035 € excl. VAT 2 462,35 € incl. VAT	2 640 € excl. VAT 3 194,40 € incl. VAT
Intel® Xeon® Quad-Core processor X3220 (2.40 GHz, 1066 FSB QC, 8 MB L2 cache)	Intel® Xeon® Quad-Core processor E5504 (2.0 GHz, 4 MB)	Intel® Xeon® Quad-Core processor E5506 (2.13 GHz, 4 MB)	Intel® Xeon® Quad-Core processor 5405 (2.0 GHz, 1333 FSB) with Intel® EM64T Technology
4 GB (2 x 2 GB) PC2-6400 advanced ECC DDR2 memory	2 GB (1 x 2 GB) PC3-10600 registered DIMM	4 GB (2 x 2 GB) PC3-10600 registered DIMMs	4 GB (2 x 2 GB) PC2-5300 fully buffered DIMMs DDR2-667 memory
2 x 250 GB SATA hot plug Hard Disk integrated	2 x 250 GB 7.2K rpm LFF (3.5") SATA hot plug Hard Disk	2 x 146 GB 15K rpm LFF (3.5") SAS hot plug Hard Disk	2 x 146 GB 15K rpm LFF (3.5") SAS hot plug Hard Disk
Smart Array P212 SAS/SATA RAID controller with 256 MB battery backed write cache (RAID 0,1,5)	Smart Array P410 - zero memory	Smart Array E411 with 128 MB battery backed write cache	Smart Array E200 with 128 MB battery backed write cache
DVD-RW optical drive	DVD-RW optical drive	DVD-RW optical drive	DVD-RW optical drive
2 x 430W RPS	/	/	/
1 year, next business day on-site	1 year, next business day on-site	3 year, next business day on-site	3 year, next business day on-site

Microsoft® Windows® Small Business Server 2008 Standard Edition (EN) included	This server with Microsoft® Windows® Server 2008 Standard Edition (EN) (32bit/x64) with 5 CALs (ROK) Ref.: 517607-425 + 468724-B21 1 630 € Excl. VAT 1 972,30 € Incl. VAT	This server with Microsoft® Windows® Server 2008 Standard Edition (EN) (32bit/x64) with 5 CALs (ROK) Ref.: 470065-115 + 468724-B21 2 535 € Excl. VAT 3 067,35 € Incl. VAT	Microsoft® Windows® Small Business Server 2008 Standard Edition (EN) included
2 GB unbuffered PC2-6400 ECC DIMM (1 x 2 GB) memory kit Ref.: 450260-B21 45 € excl. VAT 54,45 € incl. VAT	2 GB (1 x 2 GB) registered DDR3-10600 dual rank memory kit + Intel® Xeon® Quad-Core E5504 (2.0 GHz, 4 MB/DDR3-800 QC, 80W) Ref.: 500656-B21 + 512712-B21 615 € excl. VAT 744,15 € incl. VAT	2 GB (1 x 2 GB) registered DDR3-10600 dual rank memory kit + Intel® Xeon® Quad-Core E5506 (2.13 GHz, 4 MB/DDR3-800 QC, 80W) option kit Ref.: 500656-B21 + 495916-B21 455 € excl. VAT 550,55 € incl. VAT	2 GB (2 x 1 GB) PC2-5300 FBD memory kit + Intel® Xeon® Quad-Core processor E5405 (2.0 GHz/1333 FSB, 80 W) option kit (ML350 G5) Ref.: 397411-B21 + 458269-B21 405 € excl. VAT 490,05 € incl. VAT
250 GB 3G SATA 7.2K rpm LFF hot plug MDL Hard Drive (3.5") Ref.: 458926-B21 105 € excl. VAT 127,05 € incl. VAT	250 GB 7.2K rpm SATA Hard Drive Ref.: 2 x 349239-B21 105 € excl. VAT 127,05 € incl. VAT	146 GB 15K rpm DP SAS hot plug Hard Drive (3.5") Ref.: 2 x 384854-B21 265 € excl. VAT 320,65 € Incl. VAT	146 GB 15K rpm DP SAS hot plug Hard Drive (3.5") Ref.: 2 x 384854-B21 265 € excl. VAT 320,65 € Incl. VAT
/	Redundant Fan Kit + Hot Plug RPS Enablement Kit + Hot Plug 750W High Efficiency Power Supply Kit Ref.: 513927-B21 + 508544-B21 + 2 x 512327-B21 410 € excl. VAT 496,10 € incl. VAT	Redundant Fan Option Kit (ML350 G6) + hot plug 750W High Efficiency Power Supply Kit Ref.: 515081-B21 + 512327-B21 250 € Excl. VAT 302,50 € incl. VAT	Redundant Fan Kit (ML350 G5) + Redundant Power Supply Kit (EURO - ML350/370/380 G5) Ref.: 409579-B21 + 399771-021 240 € Excl. VAT 290,40 € incl. VAT
3 year, 4-hour response - 13x5 HP ProLiant ML310 HW Support Ref.: U4446E 515 € excl. VAT 623,15 € incl. VAT	3 year, 4-hour on-site response - 13x5 Ref.: UM872E 666 € excl. VAT 805,86 € incl. VAT	3 year, 4-hour on-site response - 13x5 Ref.: U4512E 445 € excl. VAT 538,45 € incl. VAT	3 year, 4-hour on-site response - 13x5 Ref.: U4512E 445 € excl. VAT 538,45 € incl. VAT



HP STORAGEWORKS ULTRIUM 448 ITO2 SAS TAPE DRIVE WITH 5 TAPES

HP STORAGEWORKS ULTRIUM 448 ITO3 SAS TAPE DRIVE WITH 5 TAPES

HP STORAGEWORKS ULTRIUM 920 ITO3 SAS TAPE DRIVE WITH 5 TAPES

HP STORAGEWORKS ULTRIUM 920 ITO2 SAS TAPE DRIVE WITH 5 TAPES

AG761BT	AG761BT	AJ760BT	AJ760BT
990 € excl. VAT 1 197,90 € incl. VAT	990 € excl. VAT 1 197,90 € incl. VAT	1 350 € excl. VAT 1 633,50 € incl. VAT	1 350 € excl. VAT 1 633,50 € incl. VAT
<ul style="list-style-type: none"> • 200 GB native, 400 GB compressed • Cartridges: from 200 up to 400 GB • Data transfer rate: up to 170 GB/hour • HP Data Protector Express Single Server backup software included • 3 year parts exchange warranty 	<ul style="list-style-type: none"> • 200 GB native, 400 GB compressed • Cartridges: from 200 up to 400 GB • Data transfer rate: up to 170 GB/hour • HP Data Protector Express Single Server backup software included • 3 year parts exchange warranty 	<ul style="list-style-type: none"> • 400 GB native, 800 GB compressed • Cartridges: from 400 up to 800 GB • Data transfer rate: up to 432 GB/hour • HP Data Protector Express Single Server backup software included • 3 year parts exchange warranty 	<ul style="list-style-type: none"> • 400 GB native, 800 GB compressed • Cartridges: from 400 up to 800 GB • Data transfer rate: up to 432 GB/hour • HP Data Protector Express Single Server backup software included • 3 year parts exchange warranty
<p>Requires the following options:</p> <ul style="list-style-type: none"> • HP Smart Array P212/zm Ref.: 462828-B21 160 € excl. VAT 193,60 € incl. VAT • HP StorageWorks Mini-SAS Cable for LTO internal Tape Drive Ref.: AP746A 40 € excl. VAT 48,40 € incl. VAT 	<p>Requires the following options:</p> <ul style="list-style-type: none"> • HP Smart Array P212/zm Ref.: 462828-B21 160 € excl. VAT 193,60 € incl. VAT • HP StorageWorks Mini-SAS Cable for LTO internal Tape Drive Ref.: AP746A 40 € excl. VAT 48,40 € incl. VAT 	<p>Requires the following options:</p> <ul style="list-style-type: none"> • HP Smart Array P212/zm Ref.: 462828-B21 160 € excl. VAT 193,60 € incl. VAT • HP StorageWorks Mini-SAS Cable for LTO internal Tape Drive Ref.: AP746A 40 € excl. VAT 48,40 € incl. VAT 	<p>Requires the following options:</p> <ul style="list-style-type: none"> • HP Smart Array P212/zm Ref.: 462828-B21 160 € excl. VAT 193,60 € incl. VAT • HP StorageWorks Mini-SAS Cable for LTO internal Tape Drive Ref.: AP746A 40 € excl. VAT 48,40 € incl. VAT

Servers, Storage and Services :

2 products + 1 service = 1 solution!



HP PROLIANT SERVERS	"HIGH CAPACITY SERVER II" HP PROLIANT DL180 G6	"CONCENTRATED COMPUTE POWER VI" HP PROLIANT DL360 G6	"THE COMPACT ALL-ROUNDER VIII" HP PROLIANT DL380 G6
Product reference	470065-112	470065-119	470065-118
Price	1 485 € excl. VAT 1 796,85 € incl. VAT	2 090 € excl. VAT 2 528,90 € incl. VAT	2 200 € excl. VAT 2 662 € incl. VAT
Processor	Intel® Xeon® processor E5504 (2.0 GHz, 4 MB)	Intel® Xeon® Quad-Core processor E5520 (2.26 GHz, 8M)	Intel® Xeon® Quad-Core processor E5520 (2.26 GHz, 8M)
Memory	4 GB (2 x 2 GB) PC3-10600 registered DIMMs	6 GB (3 x 2 GB) PC3-10600 registered DIMMs	6 GB (3 x 2 GB) PC3-10600 registered DIMMs
Storage	No Hard Disk integrated - 8 free LFF (3.5") SAS/SATA hard disk bays	No hard disk integrated - 4 free SFF (2.5") SAS/SATA hard disk bays	No hard disk integrated - 8 free SFF (2.5") SAS/SATA hard disk bays
Storage controller	Smart Array P212 with 256 MB battery backed write cache	Smart Array P410 with 512 MB battery backed write cache	Smart Array P410 with 512 MB battery backed write cache
Optical drive	Not included	DVD/CD-RW combo optical drive	DVD/CD-RW combo optical drive
Warranty	1 year, next business day on-site	3 year, next business day on-site	3 year, next business day on-site

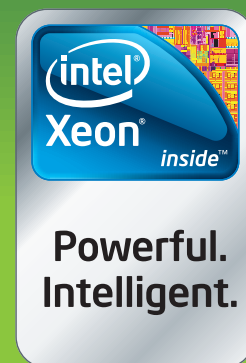
OPTION PACKS

OS Pack	This server with Microsoft® Windows® Server 2008 Standard Edition (EN) (32bit/x64) with 5 CALs (ROK) Ref.: 470065-112 + 468724-B21 1 985 € excl. VAT 2 401,85 € incl. VAT	This server with Microsoft® Windows® Server 2008 Standard Edition (EN) (32bit/x64) with 5 CALs (ROK) Ref.: 470065-119 + 468724-B21 2 590 € excl. VAT 3 133,90 € incl. VAT	This server with Microsoft® Windows® Server 2008 Standard Edition (EN) (32bit/x64) with 5 CALs (ROK) Ref.: 470065-118 + 468724-B21 2 700 € excl. VAT 3 267 € incl. VAT
Performance Pack	2 GB (1 x 2 GB) registered DDR3-10600 dual rank memory kit + Intel® Xeon® Quad-Core processor E5504 (2.0 GHz, 4 MB/DDR3-800 QC, 80W) option kit Ref.: 500656-B21 + 508341-B21 375 € excl. VAT 453,75 € incl. VAT	2 GB (1 x 2 GB) registered DDR3-10600 dual rank memory kit + Intel® Xeon® Quad-Core processor E5520 (2.26 GHz - 8 MB/DDR3-1066 QC, 80W) option kit (DL360 G6) Ref.: 500656-B21 + 507680-B21 575 € excl. VAT 695,75 € incl. VAT	2 GB (1 x 2 GB) registered DDR3-10600 dual rank memory kit + Intel® Xeon® Quad-Core processor E5520 (2.26 GHz - 8 MB/DDR3-1066 QC, 80W) option kit (DL380 G6) Ref.: 500656-B21 + 492239-B21 575 € excl. VAT 695,75 € incl. VAT
Storage Pack	500 GB 3G SATA 7.2K rpm LFF hot plug MDL Hard Drive (3.5") Ref.: 3 x 458928-B21 220 € excl. VAT 266,20 € incl. VAT	146 GB SFF 6G SAS 10K rpm hot plug DP ENT Hard Drive (2.5") Ref.: 2 x 507125-B21 280 € excl. VAT 338,80 € incl. VAT	146 GB SFF 6G SAS 10K rpm hot plug DP ENT Hard Drive (2.5") Ref.: 2 x 507125-B21 280 € excl. VAT 338,80 € incl. VAT
Uptime Pack	Hot plug 460W High Efficiency Power Supply Kit Ref.: 503296-B21 180 € excl. VAT 217,80 € incl. VAT	Hot plug 750W High Efficiency Power Supply Kit Ref.: 512327-B21 210 € excl. VAT 254,10 € incl. VAT	Hot plug 750W High Efficiency Power Supply Kit Ref.: 512327-B21 210 € excl. VAT 254,10 € incl. VAT
HP Care Pack	3 year, 4-hour on-site response - 13x5 Ref.: UH271E 695 € excl. VAT 840,95 € incl. VAT	3 year, 4-hour on-site response - 13x5 Ref.: U4496E 608 € excl. VAT 735,68 € incl. VAT	3 year, 4-hour on-site response - 13x5 Ref.: U4544E 778 € excl. VAT 941,38 € incl. VAT



HP STORAGEWORKS SOLUTIONS	HP STORAGEWORKS 1/8 G2 LTO 920 SAS AUTOLOADER WITH 8 TAPES	HP STORAGEWORKS D2D2503i WITH REPLICATOR LICENCE	HP STORAGEWORKS MSA2324FC G2 SAN STARTER KIT
Product reference	AP707AM	AP825AM	AJ955A
Price	2 799 € excl. VAT 3 386,79 € incl. VAT	5 399 € excl. VAT 6 532,79 € incl. VAT	8 680 € excl. VAT 10 502,80 € incl. VAT
Specifications	<ul style="list-style-type: none"> • 3,2 TB Native, 6,4 TB compressed (= 8 x 400/800 GB) • Cartridges: from 400 up to 800 GB • Data transfer rate: up to 432 GB/hour • HP Data Protector Express Single Server backup software • 1 year parts exchange warranty <p>Requires the following options:</p> <ul style="list-style-type: none"> • HP Smart Array P212/zm Ref.: 462828-B21 160 € excl. VAT 193,60 € incl. VAT • HP StorageWorks Mini-SAS Cable for LTO Internal Tape Drive Ref.: AE470A 74 € excl. VAT 89,54 € incl. VAT 	<ul style="list-style-type: none"> • 2.25 TB gross capacity, net capacity can become up to 50x larger due to de-duplication technology • Disk based backup system for 6 servers max. • Data transfer rate: 270 GB/hour • 1 year parts exchange warranty <p>Option</p> <ul style="list-style-type: none"> • HP Care Pack: 3 year, 4-hour on-site response - 13x5 Ref.: UJ752E 1 361 € excl. VAT 1 646,81 € incl. VAT 	<ul style="list-style-type: none"> • Starter kit with: <ul style="list-style-type: none"> - MSA2024 SFF JBOD - MSA2300fc G2 Controller - B-Series 8/8 Base SAN Switch - 2 x 8 GB FC HBA - SFP's and cables • 24 x SFF hard disks max. up to 99 SFF disks max. with MSA70 expansion JBODs • Max. 7.2 TB capacity with SFF SAS disks, up to 29,7 TB SFF SAS with expansion JBODs • Up to 64 servers • 3 year parts exchange warranty <p>Options</p> <ul style="list-style-type: none"> • HP StorageWorks MSA2300fc G2 high availability kit Ref.: AJ956A 6 880 € excl. VAT 8 324,80 € incl. VAT • 146 GB SFF SAS 15K rpm hot plug DP ENT Hard Drive (2.5") Ref.: 504062-B21 425 € excl. VAT 514,25 € incl. VAT • 300 GB SFF SAS 10K rpm hot plug DP ENT Hard Drive (2.5") Ref.: 492620-B21 465 € excl. VAT 562,65 € incl. VAT

Why should a Universal Storage (File serving AND SAN) solution be expensive?



HP StorageWorks proves that even smaller companies can start with a Universal Storage Solution today!

Unlike some other Storage suppliers, HP offers solutions for everyone's purse and requirements, from the small company with only a handful of servers with a few hundred gigabytes of data right up to the large enterprise with hundreds of servers and terabytes of data ...

Take a look at these Universal Storage Solutions from HP:

HP StorageWorks X1000 series Networked Storage Systems

Designed for the small to medium size company, the X1000 series offers the best of both worlds: a dedicated storage system for all your file sharing needs, whether you have Windows®, Mac® or Linux based PC's and servers in your company.

Connect the X1000 to your network, and get immediate file sharing, print serving AND SAN functionality. Now all your data can be safely stored and managed from a single interface. You can even include automatic backup within the same management tool!

Two examples of configurations:

For up to 50 PC's and 1 or 2 application servers



For up to 200 PC's and 3-4 application servers



HP STORAGEWORKS X1400 2 TB SATA	HP STORAGEWORKS X1600 5.4 TB SAS
AP786A	AP790A
3 200 € excl. VAT 3 872 € incl. VAT	11 500 € excl. VAT 13 915 € incl. VAT
1U Rackmount design	2U Rackmount design
2 GB RAM, Intel® Xeon® processor E5504 (2.00 GHz); 1 standard	6 GB RAM, Intel® Xeon® processor E5520 (2.26 GHz); 1 standard, up to 2 supported
2 x Gigabit NIC on board	2 x Gigabit NIC on board
4 hot plug 500 GB SATA drives with HP Smart Array 212/256 MB Battery back cache	12 hot plug 450 GB 1K rpm SAS drives with HP Smart Array 212/256 MB Battery back cache
DVD-RW with quick restore DVD	Hot plug Redundant power supplies
Microsoft® Windows® 2008 Storage Server 64-bit pre-installed: Unpack, connect, switch on and go!	DVD-RW with quick restore DVD
Microsoft® iSCSI Target Software: Turn your Network Storage system into a full blown SAN Array.	Microsoft® Windows® 2008 Storage Server 64-bit pre-installed: Unpack, connect, switch on and go!
HP Automated Storage Manager: Manage all of your storage tasks from a single interface.	Microsoft® iSCSI Target Software: Turn your Network Storage system into a full blown SAN Array.
Standard 3 year next business day on-site warranty	HP Automated Storage Manager: Manage all of your storage tasks from a single interface.
	Standard 3 year next business day on-site warranty

Virtualization made easy



Many organizations are using server virtualization to achieve cost reductions by up to 52% – by reducing the number of servers or to provide cost-effective high availability failover. To take advantage of some of the most critical features in VMware vSphere (HA, VMotion, SRM) customers need to implement highly available storage area networks (SAN). For this scenario, HP has defined an Entry Virtualization bundle based on the DL180 G6, and an expandable tower configuration based on ML370 G6. Both bundles include VMware vSphere Essentials virtualization software.

	1. ENTRY VIRTUALIZATION BUNDLE	2. ENTRY VIRTUALIZATION BUNDLE
	Rack	Expandable Tower
Server	Qty ⁽¹⁾ DL180 G6	Qty ⁽¹⁾ ML370 G6
Storage	1.2TB Internal server storage	1.2TB Internal server storage
Virtualization Software	Qty ⁽¹⁾ vSphere Essentials	Qty ⁽¹⁾ vSphere Essentials
Bundle Price	4 710 € excl. VAT 5 699,10 € incl. VAT	5 542,50 € excl. VAT 6 706,43 € incl. VAT
Bundle price with performance pack	5 547,50 € excl. VAT 6 712,48 € incl. VAT	6 861,25 € excl. VAT 8 302,11 € incl. VAT

Detailed content of the different bundles:

1. Entry Virtualization Bundle (Rack)

- (1) 487508-421 HP DL180 G6 E5520 3 x 2 GB 12LFF Svr
- (3) 500670-B21 HP 2 GB 2R x 8 PC3-10600E-9 Kit
- (1) 515826-B21 HP DL180 G6 Rear DVD Cage Kit
- (1) 481041-B21 HP Slim 12.7mm SATA DVD Optical Kit
- (2) 384854-B21 HP 146 GB 15K SAS 3.5 DP HDD
- (4) 416127-B21 HP 300 GB 3G SAS 15K 3.5" DP ENT HDD
- (1) 512327-B21 HP 750W CS HE Power Supply Kit
- (1) 571778-B21 VMW vSphere Essentials 1yr 9 x 5 Nm Lic

Optional Performance Pack Components

- (1) 508342-B21 HP E5520 DL180 G6 Kit
- (6) 500670-B21 HP 2 GB 2R x 8 PC3-10600E-9 Kit

2. Entry Virtualization Bundle (Expandable Tower)

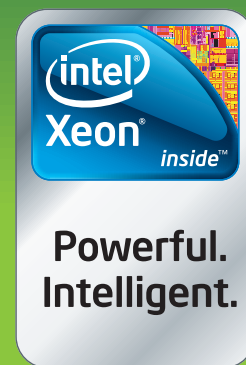
- (1) 487791-421 HP ML370 G6 E5540 SFF Base Svr
- (3) 500658-B21 HP 4 GB 2R x 4 PC3-10600R-9 Kit
- (2) 418367-B21 HP 146 GB 10K SAS 2.5 DP HDD
- (4) 492620-B21 HP 300 GB 10K SAS 2.5 DP HDD
- (1) 512327-B21 HP 750W CS HE Power Supply Kit
- (1) 452148-B22 HP ICE Nm 1-Svr 24 x 7 Support
- (1) 436222-B21 HP ICM Software Media Kit
- (1) 571778-B21 VMW vSphere Essentials 1yr 9 x 5 Nm Lic

Optional Performance Pack Components

- (1) 495936-B21 HP E5540 ML/DL370 G6 Kit
- (3) 500656-B21 HP 2 GB 2R x 8 PC3-10600R-9 Kit
- (3) 500658-B21 HP 4 GB 2R x 4 PC3-10600R-9 Kit
- (1) 462967-B21 HP 512 MB P-Series BBWC Upgrade

Technology for better business outcomes.

and affordable by HP



For many customers however, the step to SAN technology is a challenge: adding external storage increases hardware costs and impacts overall IT management.

The newly available Entry HA and Scalable HA Virtualization bundles, based on DL180 G6 and DL380 G6 server hardware with HP LeftHand storage technology, allow an organization to pool all of the storage that is either inside a ProLiant G6 server or directly attached to it, into one virtualized pool of storage. Combined with HP ProCurve data center networking solutions, and VMware vSphere software this allows an organization to quickly implement a fully virtual infrastructure, with all of its benefits, using pre-tested building blocks.

3. ENTRY HA VIRTUALIZATION BUNDLE	4. SCALABLE HA VIRTUALIZATION BUNDLE
Rack	Rack
Qty ⁽²⁾ DL180 G6	Qty ⁽²⁾ DL380 G6
Qty ⁽²⁾ LHN VSA (2.4 TB Virtual SAN)	Qty ⁽¹⁾ LHN P4300 4.8 TB SAS Storage System
Qty ⁽¹⁾ vSphere Essentials Plus	Qty ⁽²⁾ vSphere Standard Qty ⁽¹⁾ vCenter Foundation
18 137,50 € excl. VAT 21 946,38 € incl. VAT	36 178,75 € excl. VAT 43 776,29 € incl. VAT
19 777,50 € excl. VAT 23 930,78 € incl. VAT	40 033,75 € excl. VAT 48 440,84 € incl. VAT

3. Entry HA Virtualization Bundle (Rack)

(2) 487508-421	HP DL180 G6 E5520 3 x 2 GB 12LFF Svr
(6) 500670-B21	HP 2 GB 2R x 8 PC3-10600E-9 Kit
(2) 515826-B21	HP DL180 G6 Rear DVD Cage Kit
(2) 481041-B21	HP Slim 12.7mm SATA DVD Optical Kit
(4) 384854-B21	HP 146 GB 15K SAS 3.5 DP HDD
(8) 416127-B21	HP 300 GB 3G SAS 15K 3.5" DP ENT HDD
(2) 512327-B21	HP 750W CS HE Power Supply Kit
(2) 435508-B21	HP NC364T PCIe 4Pt Gigabit Server Adptr
(2) 530521-B21	HP LO100i ADV 1-SRV Incl 1yr TS&U SW
(2) 516006-B21	HP Dedicated Mgmt Port Kit
(2) TA688AA	HP P4000 VSA SW for VMware ESX Svr LTU
(1) 571779-B21	VMware vSphere Ess Plus 1yr 9 x 5 Nm Lic
(1) J9279A	HP ProCurve Switch 2510G-24

Optional Performance Pack Components

(2) 508342-B21	HP E5520 DL180 G6 Kit
(12) 500670-B21	HP 2 GB 2R x 8 PC3-10600E-9 Kit

4. Scalable HA Virtualization Bundle (Rack)

(2) 491325-421	HP DL380 G6 E5520 Base US Svr
(6) 500658-B21	HP 4 GB 2R x 4 PC3-10600R-9 Kit
(2) 481041-B21	HP Slim 12.7mm SATA DVD Optical Kit
(4) 418367-B21	HP 146 GB 10K SAS 2.5 DP HDD
(2) 503296-B21	HP 460W HE 12V Hotplg AC Pwr Supply Kit
(2) 435508-B21	HP NC364T PCIe 4Pt Gigabit Server Adptr
(2) 452148-B22	HP ICE Nm 1-Svr 24 x 7 Support
(1) 436222-B21	HP ICM Software Media Kit
(1) AT017A	HP P4300 4.8TB SAS Starter SAN Solution
(2) 571772-B21	VMW vSphere Std 1P 1yr 9 x 5 Nm Lic
(1) 576261-B21	VMware vCntr Fnd for vSphere 1yr Nm Lic
(1) J9145A	HP ProCurve 2910al-24G Switch

Optional Performance Pack Components

(2) 492239-B21	HP E5520 DL380 G6 Kit
(6) 500656-B21	HP 2 GB 2R x 8 PC3-10600R-9 Kit
(6) 500658-B21	HP 4 GB 2R x 4 PC3-10600R-9 Kit
(2) 435508-B21	HP NC364T PCIe 4Pt Gigabit Server Adptr
(2) 571772-B21	VMW vSphere Std 1P 1yr 9 x 5 Nm Lic



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