



Part No.	Description	Qty	ESP "Listino" (per unit) Euro	ESP "Listino" (quantity x unit price) Euro
BladeCenter	BladeCenter H			
88524YG	IBM eServer BladeCenter(tm) H Chassis with 2x2900W PSU UltraSlim Enhanced Multi-Burner	1	€ 6 250	€6 250
31R3335	IBM BladeCenter(tm) H 2900W AC Power Supply Modules	1	€ 899	€ 899
39Y9314	Multi-Switch Interconnect Module for IBM BladeCenter	2	€ 1 410	€ 2 820
32R1860	BNT Layer 2/3 Copper Gb Ethernet Switch Module for IBM BladeCenter	6	€ 1 970	€ 11 820
32R1812	Brocade(R) 20-port 4 Gb SAN Switch Module for IBM BladeCenter™	2	€ 8 490	€ 16 980
22R4902	IBM Short Wave SFP Module	4	€ 86	€ 344
25R5784	4.3m, 230V, Dual 32A IEC 309 P+N+G/16AIEC320-C20	2	€ 257	€ 514
39Y8934	DPI 32amp/250V Front-end PDU with IEC 309 IEC 309 P+N+G	2	€ 372	€ 744
Misc	Blade HS22			
7870B4G	HS22, Xeon Quad Core E5540 80W 2.53GHz/1066MHz/8MB L2, 2x2GB, O/Bay 2.5inSATA/SAS	2	€ 3 020	€ 6 040
44T1884	Intel Xeon QC Processor Model E5540 80W 2.53GHz/1066MHz/8MB L2	2	€ 1 270	€ 2 540
44T1488	4GB Dual Rank PC3-10600 CL9 ECC DDR3 VLP RDIMM 1333MHz	16	€ 206	€ 3 296
43W7535	IBM 73 GB 10K SAS 2.5in SFF Slim-HS HDD	4	€ 235	€ 940
46M6065	QLogic 4Gb Fibre Channel Expansion Card (CIOv) for IBM BladeCenter	2	€ 728	€ 1 456
44W4479	2/4 1GB Port Ethernet Expansion Card (CFFh) For IBM BladeCenter	2	€ 654	€ 1 308
Misc	VMware Essential Plus			
4817VA9	VMware vSphere 4.0 Essen Plus Kit - 3 2-Socket Hosts License Only	1	€ 2 420	€ 2 420
4817TA9	Subscription Only VMware vSphere 4.0 Essen Plus Kit - 3 Hosts -3 Yr	1	€ 1 030	€ 1 030
Misc	Supporto RTS			
51J8573	3 Year 8x5 VMware Standard level software support - 1 x 2 socket	2	€ 426	€ 852
Misc	DS3400			
172642X	IBM System Storage DS3400 Dual Controller	1	€ 5 110	€ 5 110
43X0802	IBM 300GB 3.5in 15K HS SAS HDD	8	€ 605	€ 4 840
39R6536	DS3000 4 to 16 Partition Expansion License	1	€ 1 250	€ 1 250
13N1923	DS3000 AIX Host Attach License	1	€ 2 750	€ 2 750
39M5697	5m Fiber Optic Cable LC-LC	4	€ 142	€ 568
			Total	€ 74 771
Misc	DS4700			
181470H	DS4700 Express Model 70	1	€ 14 680	€ 14 680
42D0410	300GB 4Gbps 15K FC E-DDM HDD	8	€ 1 920	€ 15 360
41Y5182	DS4700 VMware ESX Host Kit option	1	€ 1 180	€ 1 180
41Y0652	DS4700 2-8 Stg. Part.- Fld	1	€ 3 770	€ 3 770
41Y0664	DS4700 8-16 Stg. Part.- Fld	1	€ 1 920	€ 1 920
41Y5184	DS4700 AIX Host Kit	1	€ 6 430	€ 6 430
39M5697	5m Fiber Optic Cable LC-LC	4	€ 142	€ 568
			Total	€ 104 161

IBM BladeCenter™ H

Part Number & Model Type	8852-4YG				
See Blades for the following specifications	Processor, Number of Processors, Cache, Memory, Hard Disk Drive, Hard Disk Drive Controller, Slots, Operating System Supported.				
Blade Bays	14 Front Loading Bays				
Connectivity Bays	4 Switch Bays (2 can optionally be used for bridge modules) 4 Standard High Speed Switch Bays 2 Bridge Module Bays 2 Advanced Management Module Bays				
Media Device	DVD			Form Factor	9U BladeCenter Chassis
Diskette Drive	Optional USB			Power Supply	2 x 2900W hot swap redundant modules standard. 4 Maximum, No power cables ship with unit.
Network Interface	Optional Ethernet switch modules or Pass thru module	Cooling System	2 hot-swap high-efficiency blowers 3 fans per power supply.		
Ports	2 Front mounted USB 2.0, USB Mouse and Keyboard, Video and Ethernet on Management Module, Aggregated serial connector.	Dimensions (H x D x W)	400mm x 736mm x 482mm		
Hard Disk Drive Controller	N/A	Acoustics	7.5 bels		
Keyboard/Pointing Device	No Keyboard or Mouse shipped with system unit.	Weight	41 to 159kg		
Software and Tools	IBM Director and Serverguide standard	Support	IBM HelpCenter Optional 24x7x4 upgrade		
Security Features	Ability to power on/off blades locally can be disabled. Access to local KVM can be disabled.	Warranty	Three years on site limited warranty		
Operating Systems	N/A				
Systems Management	Integrated management module for Centralised Chassis Management. Web browser interface or manage with IBM Director.				

IBM BladeCenter™ HS22

Processor	Intel Xeon 5500 Series (Dual and Quad Core)				
L2 Cache	4MB / 8MB (Model Dependant)				
SMP	Dual Socket with Dual Core and Quad Core Models				
Chip Set	Intel				
Memory	PC3-10600 CL9 ECC DDR3 1333MHz Chipkill VLP RDIMM 96GB Maximum using 8GB Dimms				
Graphics	Matrox G200e in on board Integrated Management Module				
Disk Bays	Type	Quantity	Maximum Capacity		
	Hot Swap 2.5" SAS/SATA	2	600GB		
Media Device	N/A				
Diskette Drive	N/A				
Slots (total / available)	One CIOv and one CFFh expansion connectors per blade server (2/2)			Form Factor	Single Wide Blade
				Power Supply	N/A
Network Interface	Dual Integrated Gb with TOE Broadcom 5709S			Cooling System	Calibrated Vecgtored Cooling via Chassis
				Dimensions (H x D x W)	245mm x 435mm x 29mm
Ports	N/A			Weight	5.4Kg
Hard Disk Drive Controller	Integrated LSI1064e with RAID 0,1,1E Optional ServeRAID MR10ie with RAID 0,1,10,5,50,6,60			Acoustics	N/A
Keyboard/Pointing Device	No keyboard or mouse shipping with system unit.			Security Features	Trusted Platfom Module 1.2
Software and Tools	IBM Systems Director shipped as standard. ToolCentre for deployment, updating, diagnostics and configuration assistance.				
Operating Systems	ibm.com/servers/eserver/serverproven/compat/us/nos/ematrix.shtml			Support	IBM HelpCenter with optional Service Pack upgrades.
Systems Management	On Blade Integrated Management Module providing remote presence. IBM Systems Director ships as standard. Additional licenses for non IBM hardware available at an extra cost.				
				Warranty	Three year on site limited warranty.

* Maximum 2 drives per Blade
N/A = Not Applicable

IBM System Storage DS3000



Product	DS3200 Single / Dual Controller	DS3300 Single / Dual Controller	DS3400 Single / Dual Controller	EXP3000 Expansion Unit
Host Interface	1 or 3 host ports per controller / SAS 3 Gbps	2 host ports per controller / iSCSI 1 Gbps	2 host ports per controller / FC 4 Gbps	ESM SAS Interface, two 26-pin, mini-SAS connectors
Drive Interface	Serial Attached SCSI (SAS)	Serial Attached SCSI (SAS)	Serial Attached SCSI (SAS)	Serial Attached SCSI (SAS)
Drives per Enclosure	up to 12 drives (SAS/SATA/mix)/max.12TB	up to 12 drives (SAS/SATA/mix)/max.12TB	up to 12 drives (SAS/SATA/mix)/max.12TB	up to 12 drives (SAS/SATA/mix)/max.12TB
maximum drives supported	48 SAS / SATA (Mix supported)	48 SAS / SATA (Mix supported)	48 SAS / SATA (Mix supported)	up to 3 Expansions per Controller
RAID Levels	0, 1, 3, 5, 10 Dual active RAID controller	0, 1, 3, 5, 10 Dual active RAID controller	0, 1, 3, 5, 10 Dual active RAID controller	0, 1, 3, 5, 10
Cache per Controller (battery-backed)	512 MB with 1 GB upgrade option	512 MB with 1 GB upgrade option	512 MB with 1 GB upgrade option	
Storage Partitions	4, 16	4, 16	4, 16	
Power Supplies	Dual redundant, hot swappable	Dual redundant, hot swappable	Dual redundant, hot swappable	Dual redundant, hot swappable
Rack Support	19-inch, industry-standard rack	19-inch, industry-standard rack	19-inch, industry-standard rack	19-inch, industry-standard rack
Warranty	Three years, 9x5, next business day	Three years, 9x5, next business day	Three years, 9x5, next business day	Three years, 9x5, next business day

IBM System Storage DS4000



Product	DS4700 Express Disk System Model 70	DS4700 Express Disk System Model 72	DS4000 EXP810 Expansion Unit
Host Interface	4 ports 4 Gbps FC switched / FC-AL	8 ports 4 Gbps FC switched / FC-AL	switched ESM to Controller
Drive Interface	4 ports 4 Gbps FC switched / FC-AL	4 ports 4 Gbps FC switched / FC-AL	4 Gbps FC switched / FC-AL
Drives per Enclosure	up to 16 drives (FC/SATA/mix)/max. 16 TB	up to 16 drives (FC/SATA/mix)/max. 16 TB	up to 16 drives (FC/SATA/mix)/max. 16 TB
maximum drives supported	112 FC / SATA (Mix supported)	112 FC / SATA (Mix supported)	up to 6 Expansions per Controller
RAID Levels	0, 1, 3, 5, 6, 10 Dual active RAID controller	0, 1, 3, 5, 6, 10 Dual active RAID controller	0, 1, 3, 5, 6, 10
Cache (battery-backed)	2 GB	4 GB	~
Storage Partitions	4, 8, 16, 64, 128	4, 8, 16, 64, 128	~
Power Supplies	Dual redundant, hot swappable	Dual redundant, hot swappable	Dual redundant, hot swappable
Rack Support	19-inch, industry-standard rack	19-inch, industry-standard rack	19-inch, industry-standard rack
Warranty	Three years, 9x5, next business day	Three years, 9x5, next business day	Three years, 9x5, next business day
Announcement letter	ZG06-0486 / ZG06-0773	ZG06-0486 / ZG06-0773	ZG06-0186 / ZG06-0816