

**IBM Blade Centre**



P/N	Description/Spec	QTY	User Price
<b>• BladeCenter - Server</b>			
<b>Intel-based Blades</b>			
802823A	HS12 Dual Core Intel Xeon Processor E6405 (2.13GHz 4MB L2 1066MHz 80w),65W,2x1GB,2 x HS SAS	1	41,500 bt
802844A	HS12 Quad Core Intel Xeon Processor X3323 (2.50GHz 12MB L2 1333MHz 80w),80w,2x1GB,2 x HS SAS	1	50,500 bt
802845A	HS12 Quad Core Intel Xeon Processor X3353 (2.66GHz 12MB L2 1333MHz 80w),80w,2x1GB,2 x HS SAS	1	53,000 bt
802846A	HS12 Quad Core Intel Xeon Processor X3363 (2.83GHz 12MB L2 1333MHz 80w),80w,2x1GB,2 x HS SAS	1	53,000 bt
80141AA	HS12 Single Core Intel Celeron Processor 445 (1.86GHz 2MB L2 512KB 65W) 65,1x512MB,2 xNon H/S(SATA or SSD)	1	33,500 bt
80142BA	HS12 Dual Core Intel Core 2 Duo Processor E6305 (1.86GHz 2MB L2 512KB 65W),65W,2x1GB,2 xNon H/S(SATA or SSD)	1	38,500 bt
8853G1A	HS21 / Xeon Quadcore E5405 2.00 Ghz 12 MB L2 cache / 2 GB / 2 x Fixed SAS HDD Bays	1	49,000 bt
8853G3A	HS21 / Xeon Quadcore E5420 2.50 Ghz 12 MB L2 cache / 2 GB / 2 x Fixed SAS HDD Bays	1	55,500 bt
8853G4A	HS21 / Xeon Quadcore E5430 2.66 Ghz 12 MB L2 cache / 2 GB / 2 x Fixed SAS HDD Bays	1	64,000 bt
8853G5A	HS21 / Xeon Quadcore E5440 2.83 Ghz 12 MB L2 cache / 2 GB / 2 x Fixed SAS HDD Bays	1	77,500 bt
8853G6A	HS21 / Xeon Quadcore E5450 3.00 Ghz 12 MB L2 cache / 2 GB / 2 x Fixed SAS HDD Bays	1	91,000 bt
7995G1A	HS21XM / Xeon Quadcore E5405 2.00 Ghz 12 MB L2 cache / 1 GB / 2 x Fixed SAS HDD Bays	1	50,500 bt
7995G3A	HS21XM / Xeon Quadcore E5420 2.50 Ghz 12 MB L2 cache / 1 GB / 2 x Fixed SAS HDD Bays	1	56,500 bt
7995G4A	HS21XM / Xeon Quadcore E5430 2.66 Ghz 12 MB L2 cache / 1 GB / 2 x Fixed SAS HDD Bays	1	65,500 bt
7995G5A	HS21XM / Xeon Quadcore E5440 2.83 Ghz 12 MB L2 cache / 1 GB / 2 x Fixed SAS HDD Bays	1	79,000 bt
7995GNA	HS21XM:Xeon QC L5408 40w/2.13GHz/1066MHz/12MBL2, 2x2GB Chk, O/Bay SAS	1	72,000 bt
7995EHA	HS21XM:2xXeon QC E5450 80w/3.0GHz/1333MHz/12MBL2, 2x2GB Chk, O/Bay SAS	1	149,500 bt
7995HVA	HS21 XM, 2xXeon Quad-Core E5450 80w 3.0GHz/1333MHz/12MB L2, 2x2GB Chk, O/Bay SAS Workstation Blade : HC10 Blade	1	154,500 bt
799635A	HC10 ,Intel 2.13ghz E6400,2x512MB,80GB SATA,2Dcard NVIDIA NVS 120M	1	54,500 bt
799655A	HC10 ,Intel 2.66ghz E6700, 2x1GB,80GB SATA,2Dcard NVIDIA NVS120M	1	62,500 bt
79965RA	HC10 ,Intel 2.66ghz E6700, 2x1GB,80GB SATA,3D card NVIDIA FX1600M	1	77,000 bt
79965SA	HC10 ,Intel 2.66ghz E6700, 2x2GB,80GB SATA,3D card NVIDIA FX1600M Workstation Blade : CP20 Workstation Connection Device	1	80,000 bt
3096CDX	IBM CP20 Workstation Connection Device (line cords to be ordered seperately below)(Select 1 HC10 for each CP20)	1	14,000 bt
43W6307	1.8m, 2.5A/125V, NEMA 5-15P (US/Canada) Line Cord	1	1,200 bt
<b>• Blade Option ขยายพร้อม Server เท่านั้น</b>			
<b>Chassis</b>			
86773RA	BladeCenter E with 2000 W Power Supply	1	83,500 bt
88524YA	BladeCenter H with 2900 W Power Supply	1	151,500 bt
88861NA	IBM BladeCenter S Chassis with C14 2x950/1450W PSU, Rackable	1	82,500 bt
25R5778	2nd BladeCenter Advanced Management Module - has to be paired with identical existing Mgmt module	1	29,000 bt
39M4674	BladeCenter Acoustic Attenuation Module for BladeCenter (86773xx) only	1	5,000 bt
201886X	IBM BladeCenter Office Enablement Kit	1	28,000 bt
43X0340	IBM BladeCenter Airborne Contaminant Filter	1	6,000 bt
43X0437	IBM BladeCenter Airborne Contaminant Replacement	1	5,500 bt
44W3981	IBM BladeCenter Open Fabric Manager	1	26,000 bt
46C3551	IBM BladeCenter Open Fabric Manager - Advanced Upgrade	1	39,000 bt
46C3552	IBM BladeCenter Open Fabric Manager - Advanced Upgrade for IBM Director	1	39,000 bt
43W3583	IBM BladeCenter S Serial Pass-thru Module for BC-S	1	3,000 bt
39M4675	BladeCenter 2000w Power Supply Modules for BCE	1	26,000 bt
31R3335	BladeCenter 2900w Power Supply Modules for BCH	1	4,100 bt
43W3582	BladeCenter 950W/1450W Power Supply Modules for BCS	1	16,500 bt
<b>CPU</b>			
44T1716	Addl Quad Core Intel Xeon Processor E5405(2.00GHz 12MB 1333MHz 80W)	1	16,000 bt
44T1742	Addl Quad Core Intel Xeon Processor E5420(2.50GHz 12MB 1333MHz 80W)	1	23,500 bt
44T1724	Addl Quad Core Intel Xeon Processor E5430(2.66GHz 12MB 1333MHz 80W)	1	33,000 bt
44T1740	Addl Quad Core Intel Xeon Processor E5440(2.83GHz 12MB 1333MHz 80W)	1	49,500 bt
44T1728	Addl Quad Core Intel Xeon Processor E5450(3.00GHz 12MB 1333MHz 80W)	1	65,500 bt
43W3991	Addl Quad Core Intel Xeon Processor E5405(2.00GHz 12MB 1333MHz 80W)	1	16,000 bt
43W3993	Addl Quad Core Intel Xeon Processor E5420(2.50GHz 12MB 1333MHz 80W)	1	23,000 bt
43W3994	Addl Quad Core Intel Xeon Processor E5430(2.66GHz 12MB 1333MHz 80W)	1	33,000 bt
43W3995	Addl Quad Core Intel Xeon Processor E5440(2.83GHz 12MB 1333MHz 80W)	1	49,500 bt
43W3996	Addl Quad Core Intel Xeon Processor E5450(3.00GHz 12MB 1333MHz 80W)	1	65,500 bt
46C5094	Addl Quad Core Intel Xeon Processor L5408 (2.13GHz 12MB 1066MHz 40W)	1	37,500 bt
<b>Memory</b>			
39M5782	1GB (2x512MB) PC2-5300 CL5 ECC DDR2 Chipkill FB-DIMM 667MHz for HS21	1	5,500 bt
39M5785	2GB (2x1GB) PC2-5300 CL5 ECC DDR2 Chipkill FB-DIMM 667MHz for HS21	1	5,500 bt
39M5791	4GB (2x2GB) PC2-5300 CL5 ECC DDR2 Chipkill FB-DIMM 667MHz for HS21	1	8,500 bt
39M5797	8GB (2x4GB) PC2-5300 CL5 ECC DDR2 Chipkill FB-DIMM 667MHz for HS21	1	16,000 bt
41Y2822	1GB Kit (2x512MB UDIMM)N-ECC for HC10 only	1	3,500 bt
41Y2825	2GB Kit (2x1GB UDIMM)N-ECC for HC10 only	1	5,000 bt
41Y2828	4GB Kit (2x2GB UDIMM)N-ECC for HC10 only	1	8,500 bt
<b>Harddisk (internal)</b>			
26K5777	IBM ServerBlade 73GB SAS 10K 2.5" SFF NHS	1	8,500 bt
42D0421	IBM ServerBlade 146GB SAS 10K 2.5" SFF NHS	1	9,500 bt
43X0845	IBM ServerBlade 73GB SAS 15K 2.5" SFF NHS	1	11,000 bt
43W7618	IBM 31.4GB 2.5" Solid State Drive	1	17,000 bt
43W7606	IBM Dual 15.8GB 2.5" Solid State Drives	1	20,500 bt
43W7614	IBM 15.8GB 2.5" Solid State Drive	1	10,500 bt
43W7535	IBM 73 GB 10K SAS 2.5" SFF Slim-HS HDD for HS12	1	8,500 bt
43W7536	IBM 146 GB 10K SAS 2.5" SFF Slim-HS HDD for HS12	1	9,500 bt

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43W7545	IBM 73 GB 15K SAS 2.5" SFF Slim-HS HDD for HS12	1	11,000 bt
43W7640	IBM 80 GB 7200 SATA 2.5" NHS HDD for HS12 (8014xxx only)	1	6,500 bt
43W7648	IBM 31.4 GB SATA 2.5" SFF Slim-HS SSD for HS12	1	17,500 bt
<b>Storage, I/O &amp; Memory Expansion</b>			
39R7563	IBM BladeCenter SCSI Storage Expansion (SIO) Unit ( ServeRAID 8k-I SAS Controller comes standard with this option ) - select 1 per Blade, takes up 1 additional slot in Chasis	1	26,500 bt
39R7389	73GB 10K SAS SFF HS (SIO) for use with SIO above (39R7563) - max 3 total per SIO	1	9,000 bt
25R8064	IBM ServeRAID-8k SAS Controller for SIO (39R7563) only. Do not add directly to Blade server.	1	12,000 bt
25K8373	IBM eServer BladeCenter PCI Expansion Unit 2	1	18,500 bt
43W4391	IBM BladeCenter PCI Express I/O Expansion Unit	1	21,000 bt
32R1923	QLogic iSCSI Expansion Card - Houston 1.1	1	28,500 bt
<b>Ethernet Connectivity</b>			
44W4483	Intelligent Copper Pass Thru	1	37,500 bt
39Y9324	Server Connectivity Module for IBM BladeCenter	1	31,500 bt
32R1860	Nortel Networks Layer 2/3 Copper GbE Switch Module	1	69,000 bt
32R1892	Cisco Systems Intelligent Gb Ethernet Switch Module	1	146,500 bt
32R1859	Nortel Networks Layer 2-7 GbE Switch Module	1	350,000 bt
43W4395	Cisco switch support with BladeCenter S	1	114,500 bt
<b>External Storage Expansion : Fibre Channel</b>			
43W6723	QLogic 4 Gb Intelligent Pass-thru Module for IBM BladeCenter	1	99,500 bt
32R1912	QLogic 10-port Upgrade for IBM BladeCenter	1	168,000 bt
41Y8527	QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter	1	15,500 bt
26R0890	QLogic 4Gb SFF Fibre Channel Expansion Card for BladeCenter	1	16,500 bt
32R1812	Brocade 20 port- 4Gb SAN Switch	1	280,500 bt
32R1813	Brocade 10 port - 4Gb SAN Switch	1	161,000 bt
26R0881	QLogic 4Gb 20-port Fibre Channel Switch Module for IBM1,2,3 StFF 3,4 Y 2	1	185,000 bt
39Y9280	Cisco Systems 4Gb 20 port Fibre Channel Switch Module for IBM BladeCenter	1	185,500 bt
39Y9284	Cisco Systems 4Gb 10 port Fibre Channel Switch Module for IBM BladeCenter	1	126,000 bt
22R4897	4 Gbps SW SFP Transceiver 4 Pack	1	10,000 bt
22R4902	4 Gbps SW SFP Transceiver	1	3,500 bt
<b>External Storage Expansion : SAS/SATA</b>			
43W3974	SAS Connectivity Card (CFFv) for IBM BladeCenter	1	2,500 bt
39Y9190	SAS Expansion Card (CFFv) for IBM BladeCenter	1	6,000 bt
39R6529	IBM 1m SAS Cable	1	3,000 bt
39R6531	IBM 3m SAS Cable	1	3,500 bt
43W3584	BladeCenter S SAS RAID Controller Module	1	64,000 bt
39Y9195	IBM BladeCenter SAS Connectivity Module	1	18,500 bt
43W3581	IBM BladeCenter S 6-Disk Storage Module(DSM)	1	20,500 bt
43W7523	73GB 15K 3.5" SAS Hot-Swap HDD	1	7,500 bt
43W7524	146GB 15K 3.5" SAS Hot-Swap HDD	1	9,500 bt
43X0802	300GB 15K 3.5" SAS Hot-Swap HDD	1	15,000 bt
42D0546	750GB 7.2K 3.5" Nearline SAS Hot-Swap HDD	1	14,000 bt
39M4558	500GB Dual Port HS SATA HDD	1	17,000 bt
43W7580	750GB Dual Port HS SATA HDD	1	18,000 bt
43W7630	1TB Dual Port HS SATA HDD	1	26,500 bt
<b>Power</b>			
39Y8951	DPI Universal Rack PDU (US)	1	7,500 bt
39Y8934	DPI Single-phase 32A/230V Frontend PDU (nonUS)/line cord: 2.5m IEC 309 P+N+G /single-phase 32A/220-240V	1	16,000 bt
25R5785	BCH Triple IEC 320 C20 (200-240V) 2.8M	1	4,000 bt
21303RX	IBM UPS 7500VA Rack/Tower	1	155,500 bt
21304RX	IBM UPS 10000VA Rack/Tower	1	181,000 bt
<b>• Software / Service</b>			
<b>VMware</b>			
4817V63	VMware Infrastructure Media Kit	1	7,000 bt
4817V76	VMware VCMS - 2 Sockets License Only	1	205,000 bt
4817T76	Subscription Only VMware VCMS - 2 Sockets - 3 Year	1	87,000 bt
4817V64	VMware VDI Starter Kit - 10 VMs	1	61,500 bt
4817T64	Subscription Only VMware VDI Starter Kit - 10 VMs - 3 year	1	26,500 bt
4817V66	VMware VDI Bundle - 10 additional VMs	1	61,500 bt
4817T66	Subscription Only VMware VDI Bundle - 10 Additional VMs - 3 Year	1	26,500 bt
4817V65	VMware VDI Bundle - 100 VMs	1	615,500 bt
4817T65	Subscription Only VMware VDI Bundle - 100 VMs - 3 Year	1	259,000 bt
4817T61	VMware ESX Server 3i - 2 Sockets - 3 Year Subscription	1	6,000 bt
4817V71	VMware Infrastructure Foundation - 2 Sockets License Only	1	41,500 bt
4817T71	Subscription Only VMware Infrastructure Fndn - 2 Sockets - 3 Year	1	45,000 bt
4817V73	VMware Infrastructure Enterprise - 2 Sockets License Only	1	236,500 bt
4817T73	Subscription Only VMware Infrastructure Ent - 2 Sockets - 3 Year	1	99,500 bt

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**SAN Promotion**



P/N	Description/Spec	Qty	User Price
<b>• DS3000 - Server</b>			
<b>DS3200 - Package A</b>			
172621X	IBM System Storage DS3200 Single controller	1	83,400
25R8060	IBM SAS HBA Controller - FREE	1	FREE
39R6531	IBM 3m SAS Cable - FREE	1	FREE
Total Hard Bundle			8,3400
DS3200 - Package A + 0.5TB SAS Disk (4x40K1044-146GB)			114,100
DS3200 - Package A + 2TB SATA Disk (4x39M4558-500GB)			143,600
<b>DS3200 - Package B</b>			
172622X	IBM System Storage DS3200 Dual controller	1	147,400
25R8060	IBM SAS HBA Controller - FREE	2	FREE
39R6531	IBM 3m SAS Cable - FREE	2	FREE
Total Hard Bundle			14,7400
DS3200 - Package B + 0.5TB SAS Disk (4x40K1044-146GB)			180,000
DS3200 - Package B + 2TB SATA Disk (4x39M4558-500GB)			209,400
<b>DS3300 - Package A</b>			
172631X	IBM System Storage DS3300 Single controller	1	108,600
39Y6146	IBM Qlogic iSCSI Single Port PCI eHBA for IBM System	1	FREE
Total Hard Bundle			108,600
<b>DS3300 - Package B</b>			
172632X	IBM System Storage DS3300 Dual controller	1	166,800
39Y6146	IBM Qlogic iSCSI Single Port PCI eHBA for IBM System	1	FREE
Total Hard Bundle			166,800
<b>DS3400 - Package A</b>			
172641X	IBM System Storage DS3400 Single controller	1	96,900
39M5697	5M LC-LC Fibre Channel Cable - FREE	2	FREE
39R6475	4-Gbps SW SFP Transceiver - FREE	2	FREE
Total Hard Bundle			96,900
DS3400 - Package A + 0.5TB SAS Disk (4x40K1044-146GB)			129,600
DS3400 - Package A + 2TB SATA Disk (4x39M4558-500GB)			159,100
<b>DS3400 - Package B</b>			
172642X	IBM System Storage DS3400 Dual controller	1	174,600
39M5697	5M LC-LC Fibre Channel Cable - FREE	4	FREE
39R6475	4-Gbps SW SFP Transceiver - FREE	4	FREE
42C2069	Emulex 4Gb FC Single-Port PCI-E HBA for IBM System x - FREE	1	FREE
Total Hard Bundle			174,600
DS3400 - Package B + 0.5TB SAS Disk (4x40K1044-146GB)			207,100
DS3400 - Package B + 2TB SATA Disk (4x39M4558-500GB)			236,600
<b>• DS3000 - Option</b>			
<b>DS3000 Upgrade</b>			
39R6507	DS3200 SAS Controller Upgrade	1	81,400
39R6509	DS3200 SAS 2-Port Daughter Card	1	27,700
39R6513	DS3400 FC Controller Upgrade	1	85,400
39R6515	EXP3000 Environmental Services Module (ESM)	1	34,900
39R6517	DS3000 1GB Cache Memory Upgrade	1	36,300
39R6519	DS3000 System Memory Cache Battery	1	7,800
<b>HBA</b>			
25R8060	IBM SAS HBA Controller	1	8,100
42C2069	Emulex 4Gb FC Single-Port PCI-E HBA for IBM System x	1	36,300
42C2071	Emulex 4Gb FC Dual-Port PCI-E HBA for IBM System x	1	49,100
39R6525	QLogic 4Gb FC Single-Port PCIe HBA for IBM System x	1	36,300
39R6527	QLogic 4Gb FC Dual-Port PCIe HBA for IBM System x	1	49,100
39M5894	DS4000 FC 4Gbps - PCI-X Single Port HBA	1	37,400
39M5895	DS4000 FC 4Gbps - PCI-X Dual Port HBA	1	60,100
39R8850	MegaRAID 8480	1	42,700
42C1770	IBM Qlogic iSCSI Dual Port PCI-eHBA for IBM System x	1	25,200
<b>Cable and Connector</b>			
39R6529	IBM 1m SAS Cable	1	2,800
39R6531	IBM 3m SAS Cable	1	3,900
39R6475	4-Gbps SW SFP Transceiver	1	5,600
39M5696	1M LC-LC Fibre Channel Cable	1	1,217
39M5697	5M LC-LC Fibre Channel Cable	1	1,600
39M5698	25M LC-LC Fibre Channel Cable	1	2,200
39R6471	MegaRAID Cable	1	6,400

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<b>Switch</b>			
200516B	IBM System Storage SAN16B-2 EXP3000 (for purchasing with DS3000 only)	1	135,700
172701X	IBM System Storage EXP3000	1	54,300
<b>EXP3000 Bundled with Disk (for purchasing with DS3000 only)</b>			
172701X	IBM System Storage EXP3000	1	163,200
40k1044	146GB SAS Disk	9	FREE
39R6471	3M MegaRAID SAS Cable	1	FREE
39R8850	IBM MegaRaid 8480 SAS Adapter	1	FREE
<b>Total Hard Bundle DS3000 Advange Feature Upgrade</b>			<b>163,200</b>
42C2143	OPTDS3400 SOFTWARE FEATURE PK LIC	1	36,900
39R6533	DS3000 FlashCopy Expansion License - Upto 64 FlashCopy Licenses (Requires Feature Pack)	1	75,700
39R6534	DS3000 Volume Copy License(Requires Feature Pack)	1	58,200
39R6535	DS3000 FlashCopy Volume Copy License(Requires Feature Pack)	1	114,400
39R6537	DS3000 EXP3000 Expansion License - Upto 3 EXP 3000's(Requires Feature Pack)	1	67,900
39R6536	DS3000 Partition Expansion License - Upto 16 Partitions (Requires Feature Pack)	1	75,700
13N1923	AIX Host Kit	1	49,600

