

IBM Power Servers Summary Charts (April 2011)

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POWER7 Systems (AIX 5.3 or IBM i 6.1.1 Minimum)																
Mod /SW Grp	System								Processor Node							
	Mch Type	Max Crs	Max CPW*	Max rPerf*	Max GB	Max GX	Max Wty	Max CBU Code	Feat	Max Crs	Max GHz	Max CPW*	Max rPerf*	Max GB	Max /sys	
710	8231	4	23,800	45.13	64	--	A	--	8350	4	3.0	23,800	45.13	64	1	
710	8231	6	40,900	76.69	64	--	A	--	8349	6	3.7	40,900	76.69	64	1	
710	8231	8	51,800	91.96	64	--	A	--	8359	8	3.55	51,800	91.96	64	1	
720	8202	4	23,800	45.13	64	--	A	0444	8350	4	3.0	23,800	45.13	64	1	
720	8202	6	34,900	65.52	128	1	A	0444	8351	6	3.0	34,900	65.52	128	1	
720	8202	8	46,300	81.24	128	1	A	0444	8352	8	3.0	46,300	81.24	128	1	
730	8231	8	44,600	86.66	128	--	A	--	8350	4	3.0	--	--	64	2	
730	8231	8	51,900	101.62	128	--	A	--	8348	4	3.7	--	--	64	2	
730	8231	12	77,200	147.24	128	--	A	--	8349	6	3.7	--	--	64	2	
730	8231	16	97,700	176.57	128	--	A	--	8359	8	3.55	--	--	64	2	
740	8205	8	47,800	92.79	256	2	A	0444	8353	4	3.3	25,500	48.33	128	2	
740	8205	8	52,200	101.62	256	2	A	0444	8347	4	3.7	27,900	52.93	128	2	
740	8205	12	77,200	147.24	256	2	A	0444	8354	6	3.7	41,600	76.69	128	2	
740	8205	16	97,700	176.57	256	2	A	0444	8355	8	3.55	52,200	91.96	128	2	
750	8233	24	135,300	252.26	512	2	B	0444	8335	6	3.3	37,200	70.07	128	4	
750	8233	32	158,300	292.47	512	2	B	0444	8334	8	3.0	44,600	81.24	128	4	
750	8233	32	168,800	313.15	512	2	B	0444	8332	8	3.3	47,800	86.99	128	4	
750	8233	32	181,000	331.06	512	2	B	0444	8336	8	3.55	52,200	91.96	128	4	
750	8233	16	97,700	190.44	512	2	B	0444	EPA1	4	3.7	27,300	52.90	128	4	
750	8233	24	145,600	276.14	512	2	B	0444	EPA2	6	3.7	40,800	76.71	128	4	
750	8233	32	171,400	307.03	512	2	B	0444	EPA3	8	3.2	47,800	85.29	128	4	
750	8233	32	183,200	334.97	512	2	B	0444	EPA4	8	3.6	52,700	93.05	128	4	
770	9117	48	248,550	493.37	2048	8	B	4891	4980	12	3.5	73,100	140.75	512	4	
770	9117	64	292,700	579.39	2048	8	B	4891	4981	16	3.1	88,800	165.30	512	4	
780	9179	32	229,650	425.50	2048	8	C	4891	4982	8	4.14	57,450	115.16	512	4	
780	9179	64	343,050	685.09	2048	8	C	4891	4982	16	3.86	105,200	195.45	512	4	
795	9119	192	1,133,160	2188.08	8192	32	C	4896	4702	24	3.7	149,100	273.51	1024	8	
795	9119	128	880,080	1852.56	8192	32	C	4896	4700	16	4.25	115,800	231.57	1024	8	
795	9119	256	1,552,680	2978.16	8192	32	C	4896	4700	32	4.0	204,300	372.27	1024	8	

*Assumes unconstrained disk I/O. May require multiple LPARs.

Warranty: A=3 year 9x5, B=1 year 9x5, C=1 year 24x7 with PowerCare.

Power Blades								
Mod/Grp	Mch Type	Max Cores	Max GHz	Max CPW*	Max rPerf	Max GB	Max CBU Code	L3 MB
POWER7 (AIX 5.3 or IBM i 6.1.1 Minimum)								
PS700	8406	4	3.0	21100	45.13	64	4898	4/core
PS701	8406	8	3.0	42100	81.24	128	4898	4/core
PS702	8406	16	3.0	76300	154.36	256	4898	4/core
PS703	7891	16	2.4	64000	134.11	128	4898	4/core
PS704	7891	32	2.4	110,000	251.45	256	4898	4/core
POWER6 (AIX 5.3 or IBM i 6.1 Minimum)								
JS12	7998	2	7998	7100	14.71	64	4898	--
JS22	7998	4	7998	13800	30.26	32	4898	--
JS23	7778	4	7778	14400	36.28	64	4898	2x32
JS43	7778	8	7778	24050	68.20	128	4898	4x32

*Assumes unconstrained disk I/O

OS Support			
OS Version	Marketing Withdrawn	Service Discontinued	Last Release for
AIX 5.3	Apr 29 2011	Apr 30 2012	Pwr 3, RS64 & Select PPC
AIX 6.1	TBA	TBA	TBA
AIX 7.1	TBA	TBA	TBA
IBM i 5.4	May 27 2011	TBA	270/820/830/840
IBM i 6.1	TBA	TBA	800/810/825/870/890
IBM i 7.1	TBA	TBA	TBA
VIOS 1.4	Jul 8 2008	Sep 30 2010	--
VIOS 1.5	Jul 8 2008	Sep 30 2011	--
VIOS 2.1	TBA	TBA	--
VIOS 2.2	TBA	TBA	--

Power Systems IBM Express			
	Minimums		Included
	Mem	Disks	CPU Act
710	2GB/core	2 (or SAN)	Half
720	2GB/core	2 (or SAN)	Half
730/740	4GB/core	2 (or SAN)	Half
750	4GB/core	2 (or SAN)	Half

Additional Benefits of IBM i Editions*										
	IBM i Express				Solution					
	Svc			Feat	CPU		Svc		Usr	OS
	Feat	Usrs	Vchr		Feat	Act	Vchr	Disc	Entl	
720 4-core	0774	5	--	--	--	--	--	--	--	
720 6/8-core	0778	--	1	4971	5**	1	Y	--	--	
740	--	NA	--	4972	--	1	NA	2	--	

*In addition to IBM Express. **In lieu of IBM Express.

POWER6 Systems (AIX 5.3 or IBM i 5.4.5 Minimum*)														
Mod	IBM i Tier	Old AIX Grp	New AIX Grp	System					Processor Node					
				Max Cores	Max CPW	Max rPerf	Max GB	Max CBU Code	Feat	Max Cores	Max GHz	Max MB	Max GB	Max in Sys
520	P05	D5	S	1	4300**	8.39	16	--	5633	1	4.2	--	16	1
520	P10	D5	S	2	8300	15.95	32	0444	5634	2	4.2	--	32	1
520	P10	D5	S	2	9500	20.13	32	0444	5577	2	4.7	32	32	1
520	P10	D5	S	4	15600	31.48	64	0444	5635	4	4.2	--	64	1
520	P10	D5	S	4	18300	39.73	64	0444	5587	4	4.7	2x32	64	1
550	P20	E5	S	8	27600	58.80	128	0444	4965	2	3.5	32	32	4
550	P20	E5	S	8	32650	68.20	256	0444	4966	2	4.2	32	64	4
550*	P20	E5	S	8	37950	78.60	256	0444	4967	2	5.0	32	64	4
560*	P20	E5	M	16	48500	100.30	384	0444	7537	4	3.6	32	96	4
570	P30	F5	M	16	57600	105.75	768	4891	5620	2	3.5	32	96	8
570	P30	F5	M	16	68600	122.67	768	4891	5622	2	4.2	32	96	8
570	P30	F5	M	16	70000	127.32	768	4891	7387	2	4.4	32	96	8
570	P30	F5	M	16	76900	134.35	768	4891	7380	2	4.7	32	96	8
570	P30	F5	M	16	77600	141.21	768	4891	7388	2	5.0	32	96	8
570	P30	F5	M	32	104800	193.25	768	4891	7540	4	4.2	32	96	8
595	P50	H5	L	64	256200	479.89	4096	4896	4694	8	4.2	4x32	512	8
595	P50	H5	L	64	294700	553.01	4096	4896	4705	8	5.0	4x32	512	8

*IBM i minimum on some models is version 6.1. 570/16 models support AIX 5.2.

**Assumes unconstrained disk & memory

SW Tier	
IBM i	AIX
P05	S
P10	S (D5)
P20	S (E5)
P30	M (F5)
P40	M
P50	L (H5)
P60	

System i5 User Based Models (i5/OS V5R4 Minimum)									
Mod/SW Grp	CPW min-max	n-way	Base Users	Serv FC	Proc FC	LPAR Max	Max GB Mem	GHz	Edition
515	3800*	1	5	4901	8327	10	16	1.9	6018
515	7100*	2	5	4903	8330	20	16	1.9	6028
525	3800-7100	1/2	30	0909	8330	20	32	1.9	7790
525	3800-7100	1/2	30	0909	8330	20	32	1.9	6910 (CBU)
525	3800-7100	1/2	150	0909	8330	20	32	1.9	7791
525	3800-7100	1/2	Unlim.	0909	8330	20	32	1.9	7792

*Assumes unconstrained disk & memory

System i5 Models (V5R3 Minimum)										
Mod/SW Grp	CPW min-max(5250)	n-way	Serv FC	Proc FC	LPAR Max	Max GB Mem	GHz	Editions		
								Std	Ent	HA
520	600-3100(30)	1	0975	8325	2/10	32	1.9	7350/Val 7355/Acc		
520	1200-3800(60)	1	0975	8327	3/10	32	1.9	7352/Val 7357/Acc		
520	1200	1	0906	8327	3	32	1.9	--	7734	7373
520	2800	1	0906	8327	7	32	1.9	--	7735	7374
520	3800	1	0906	8327	10	32	1.9	7784	--	--
520	3800-7100	1/2	0906	8327	20	32	1.9	7785	7736	7375
550	3800-14000	1/4	0910	8312	40	64	1.9	7154	7155	7551
570	8400-16000	2/4	0934	8338	40	128	2.2	7757	7747	7763
570	16700-31100	4/8	0935	8338	80	256	2.2	7758	7748	7764
570	31100-58500	8/16	0936	8338	160	512	2.2	7759	7749	7765
595	26700-50500	8/16	0940	8973*	160	512	1.9	7900*	7901*	7902*
595	31500-58800	8/16	0953	8968	160	512	2.3	5870	5890	--
595	51000-92000	16/32	0941	8973*	254	1024	1.9	7903*	7904*	7905*
595	61000-108000	16/32	0954	8968	254	1024	2.3	5871	5891	--
595	92000-184000	32/64	0943	8973*	254	2048	1.9	7906*	7907*	7908*
595	108000-216000	32/64	0955	8968	254	2048	2.3	5802	5892	--

System i5 Capacity Backup Models (V5R3 Minimum)										
Mod/SW Grp	CPW min-max(5250)	n-way	Serv FC	Proc FC	LPAR Max	Max GB Mem	GHz	Std	Ent	
								CBU	CBU	
520	1200	1	0906	8327	3	32	1.9	--	7710	--
520	2800	1	0906	8327	7	32	1.9	--	7711	--
520	3800	1	0906	8327	10	32	1.9	7712	--	--
520	3800-7100	1/2	0906	8327	20	32	1.9	7720	7721	--
550	3800-14000	1/4	0910	8312	40	64	1.9	7920	7921	--
570	4200-16000	1/4	0938	8338	40	128	2.2	7914	7915	--
570	4200-31100	1/8	0939	8338	80	256	2.2	7916	7917	--
570	8400-58500	2/16	0937	8338	160	512	2.2	7918	7760	--
595	6800-50500	2/16	0957	8973	160	512	1.9	7910	7911	--
595	8200-58800	2/16	0958	8968	160	512	2.3	5875	5895	--
595	13600-92000	4/32	0944	8973*	254	1024	1.9	7912	7909*	--
595	16000-108000	4/32	0959	8968	254	1024	2.3	5876	5896	--

* New Feature Code - see System Builder for prior Feature Codes

eServer i5 Models (V5R3 Minimum)										
Mod/SW Grp	CPW min-max(5250)	n-way	Serv FC	Proc FC	LPAR Max	Max GB Mem	GHz	Editions		
								Std	Ent	HA
520	500(30)	1	0900	8950	2	32	1.5	7450/Value		
520	1000(60)	1	0901	8951	4	32	1.5	7451/Value		
520	2400(60)	1	0912	8972	10	32	1.5	7397/Value		
520	1000	1	0902	8952	4	32	1.5	7458	7459	7552
520	2400	1	0903	8953	10	32	1.5	7452	7453	7553
520	3300	1	0904	8954	10	32	1.65	7454	7455	7554
520	6000	2	0905	8955	20	32	1.65	7456	7457	7555
550	3300-12000	1/4	0915	8958	40	64	1.65	7462	7463	--
570	3300-6000	1/2	0930*	8971*	20	64	1.65	7490*	7491*	7559
570	6350-12000	2/4	0921*	8971*	40	128	1.65	7494*	7495*	7560
570	15200-23500	5/8	0922	8971	80	256	1.65	7471	7472	7561
570	25500-33400	9/12	0924	8971	120	384	1.65	7473	7474	7562
570	36300-44700	13/16	0926	8971	160	512	1.65	7475	7476	7563
570	6350-44700	2/16	0928	8971	160	512	1.65	7570/CBU		
595	24500-45500	8/16	0946	8981	160	512	1.65	7496	7497	--
595	46000-85000	16/32	0947	8981	254	1024	1.65	7498	7499	--
595	86000-165000	32/64	0952	8981	254	2048	1.65	7984	7985	--

* New Feature Code - see System Builder for prior Feature Codes

System p5 Models (AIX 5.2 Minimum)											
Model	AIX Grp	Mch Type	System			Processor Node					
			Max Cores	Max rPerf	Max GB	Feat	Cores	GHz	MB	Max GB	Max in Sys
505	D5	9115	1	4.10	32	8289	1	1.9	--	32	1
505	D5	9115	2	11.49	32	7679	2	1.9	36	32	1
505	D5	9115	2	12.46	32	8290	2	2.1	36	32	1
505Q	D5	9115	4	20.25	32	8288	4	1.65	2x36	32	1
510	D5	9110	1	6.11	32	7654	1	1.9	36	32	1
510	D5	9110	1	6.63	32	8283	1	2.1	36	32	1
510	D5	9110	2	11.49	32	7655	2	1.9	36	32	1
510	D5	9110	2	12.46	32	8284	2	2.1	36	32	1
510Q	D5	9110	4	18.75	32	7656	4	1.5	2x36	32	1
510Q	D5	9110	4	20.25	32	8282	4	1.65	2x36	32	1
520	D5	9131	1	3.62	32	8321	1	1.65	--	32	1
520	D5	9131	1	6.63	32	8315	1	2.1	36	32	1
520	D5	9131	2	10.15	32	8323	2	1.65	36	32	1
520	D5	9131	2	11.16	32	8330	2	1.9	36	32	1
520	D5	9131	2	12.46	32	8316	2	2.1	36	32	1
520Q	D5	9131	4	18.75	32	8333	4	1.5	2x36	32	1
520Q	D5	9131	4	20.25	32	8314	4	1.65	2x36	32	1
550	E5	9133	4	20.25	64	8309	2	1.65	36	32	2
550	E5	9133	4	22.26	64	8312	2	1.9	36	32	2
550	E5	9133	4	24.86	64	8286	2	2.1	36	32	2
550Q	E5	9133	8	34.46	64	8313	4	1.5	2x36	32	2
550Q	E5	9133	8	38.34	64	8285	4	1.65	2x36	32	2
560Q	E5	9116	16	65.24	128	7781	4	1.5	2x36	32	4
560Q	E5	9116	16	75.58	128	7295	4	1.8	2x36	32	4
570	F5	9117	16	85.20	512	7782	2	1.9	36	64	8
570	F5	9117	16	95.96	512	8338	2	2.2	36	64	8
590	G5	9119	32	202.88	1024	8967	16	2.1	8x36	512	2
595	H5	9119	64	365.19	2048	8970	16	2.1	8x36	512	4
595	H5	9119	64	393.55	2048	8968	16	2.3	8x36	512	4

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eServer p5 Models (AIX 5.2 Minimum)											
Model	AIX Grp	Mch Type	System			Processor Node					
			Max Cores	Max rPerf	Max GB	Feat	Cores	GHz	MB	Max GB	Max in Sys
505	D5	9115	1	3.51	32	7650	1	1.5	--	32	1
505	D5	9115	2	9.13	32	7652	2	1.65	36	32	1
505	D5	9115	2	9.86	32	7674	2	1.65	36	32	1
510	D5	9110	1	3.25	32	7609	1	1.5	--	32	1
510	D5	9110	1	5.40	32	7610	1	1.65	36	32	1
510	D5	9110	2	9.13	32	7612	2	1.5	36	32	1
510	D5	9110	2	9.86	32	7611	2	1.65	36	32	1
520	D5	9111	1	3.25	32	5231	1	1.5	--	32	1
520	D5	9111	2	9.13	32	5226	2	1.65	36	32	1
520	D5	9111	2	9.86	32	5229	2	1.65	36	32	1
550	E5	9113	1	3.25	32	5239	1	1.50	--	32	1
550	E5	9113	4	18.20	64	5264	2	1.5	36	32	2
550	E5	9113	4	19.66	64	5237	2	1.65	36	32	2
570	F5	9117	8	34.46	256	7834	2	1.5	36	64	4
570	F5	9117	16	68.40	512	7830	2	1.65	36	64	8
570	F5	9117	16	77.45	512	7832	2	1.9	36	64	8
590	G5	9119	32	151.72	1024	7981	16	1.65	8x36	512	2
595	H5	9119	64								