

IBM Power 6 Performance Guide Enterprise Models

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1.800.217.8030



Performance Ratings

IBM's Power Systems performance ratings are based on the type of operating system installed. CPW and rPerf values are based on maximum configurations and are estimated. Actual performance may vary based on application and configuration details.

CPW: Commercial Processing Workload for IBM i based systems.

rPerf: Relative Performance for AIX based systems.

Data Systems International

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Core	Processor Speed	Processor Feature	Activation Feature	IBM i CBU	IBM CPW	AIX rPerf	Maximum memory	RIO or 12x Loops	Software Group
Power 560 Minimum O/S: IBM i v6r1, AIX 5L v5.3									
4	3.6 GHz	7537	7722/7723	0444	14100	31.3	96	1	P20
8	3.6 GHz	7537	7722/7723	0444	27600	57.3	192	2	P20
16	3.6 GHz	7537	7722/7723	0444	48500	100.3	384	3	P20
Power 570 (2 cores per processor card) Minimum O/S: IBM i v5r4, AIX 5L v5.3									
4	3.6 GHz	7537	7722/7723	0444	14100	31.3	96	1	P20
8	3.6 GHz	7537	7722/7723	0444	27600	57.3	192	2	P20
16	3.6 GHz	7537	7722/7723	0444	48500	100.3	384	3	P20
2	3.5 GHz	5620	5670	4891	8150	15.85	768*	8*	P30
4	3.5 GHz	5620	5670	4891	16100	31.69	768*	8*	P30
8	3.5 GHz	5620	5670	4891	30100	58.95	768*	8*	P30
12	3.5 GHz	5620	5670	4891	43100	83.35	768*	8*	P30
16	3.5 GHz	5620	5670	4891	57600	105.75	768*	8*	P30
2	4.2 GHz	5622	5672	4891	9650	18.38	768*	8*	P30
4	4.2 GHz	5622	5672	4891	19200	36.76	768*	8*	P30
8	4.2 GHz	5622	5672	4891	35500	68.38	768*	8*	P30
12	4.2 GHz	5622	5672	4891	50500	96.68	768*	8*	P30
16	4.2 GHz	5622	5672	4891	68600	122.67	768*	8*	P30
2	4.4 GHz	7387	7719	4891	9850	19.08	768*	8*	P30
4	4.4 GHz	7387	7719	4891	19400	38.16	768*	8*	P30
8	4.4 GHz	7387	7719	4891	36200	70.97	768*	8*	P30
12	4.4 GHz	7387	7719	4891	51500	100.35	768*	8*	P30
16	4.4 GHz	7387	7719	4891	70000	127.32	768*	8*	P30
2	4.7 GHz	7380	5403	4891	10800	20.13	768*	8*	P30
4	4.7 GHz	7380	5403	4891	21200	40.26	768*	8*	P30
8	4.7 GHz	7380	5403	4891	40100	74.89	768*	8*	P30
12	4.7 GHz	7380	5403	4891	55500	105.89	768*	8*	P30
16	4.7 GHz	7380	5403	4891	76900	134.35	768*	8*	P30
2	5.0 GHz	7388	5670	4891	11000	21.16	768*	8*	P30
4	5.0 GHz	7388	7306	4891	21600	42.32	768*	8*	P30
8	5.0 GHz	7388	7306	4891	40300	78.71	768*	8*	P30
12	5.0 GHz	7388	7306	4891	56800	111.3	768*	8*	P30

*Maximum memory = 96gb per processor card. Max loops = 1 per processor card.

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Core	Processor Speed	Processor Feature	Activation Feature	IBM i CBU	IBM CPW	AIX rPerf	Maximum memory	RIO or 12x Loops	Software Group
Power 570 (4 cores per processor card) Minimum O/S: IBM i v5r4, AIX 5L v5.3									
4	4.2 GHz	7540	7700	4891	16200	35.5	768*	8*	P30
8	4.2 GHz	7540	7700	4891	31900	64.96	768*	8*	P30
16	4.2 GHz	7540	7700	4891	56400	113.68	768*	8*	P30
24	4.2 GHz	7540	7700	4891	81600	153.46	768*	8*	P30
32	4.2 GHz	7540	7700	4891	104800	193.25	768*	8*	P30
Power 595									
8	4.2 GHz	4694	4754	4896	35500	72.58	4tb	12/30	P50
16	4.2 GHz	4694	4754	4896	66400	142.90	4tb	12/30	P50
24	4.2 GHz	4694	4754	4896	93800	204.70	4tb	12/30	P50
32	4.2 GHz	4694	4754	4896	128000	266.51	4tb	12/30	P50
40	4.2 GHz	4694	4754	4896	N/A	320.05	4tb	12/30	P50
48	4.2 GHz	4694	4754	4896	N/A	373.60	4tb	12/30	P50
56	4.2 GHz	4694	4754	4896	N/A	413.46	4tb	12/30	P50
64	4.2 GHz	4694	4754	4896	256200	479.89	4tb	12/30	P50
8	5.0 GHz	4695	4755	4896	41000	N/A	4tb	12/30	P50
16	5.0 GHz	4695	4755	4896	77000	164.67	4tb	12/30	P50
24	5.0 GHz	4695	4755	4896	108100	235.90	4tb	12/30	P50
32	5.0 GHz	4695	4755	4896	147900	307.12	4tb	12/30	P50
40	5.0 GHz	4695	4755	4896	N/A	368.82	4tb	12/30	P50
48	5.0 GHz	4695	4755	4896	N/A	430.53	4tb	12/30	P50
56	5.0 GHz	4695	4755	4896	N/A	476.46	4tb	12/30	P50
64	5.0 GHz	4695	4755	4896	294700	553.01	4tb	12/30	P50

Power 560/570

- Perfect for mid-size businesses
- Wide range of solutions
- Use to consolidate infrastructure and core business applications

Power 595

- Designed for large businesses
- Ideal for running mixed mode environments with IBM i, AIX, and Linux
- Scalable and upgradable to a 64-way



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