

Portable Product Sheet - Router Perf



Last Updated: December 10, 2002

Router Switching Performance in Packets Per Second (PPS)

Numbers are given with 64 byte packet size, and are only an indication of *raw* switching performance. These are testing numbers, usually with FE to FE or POS to POS, no services enabled. As you add ACL's, encryption, compression, routing, etc - performance will decline significantly from the given numbers. Every situation is different - please simulate the true environment to get applicable performance values.

Knowing the performance for a specific router platform is not a good indication of how well a specific feature will perform. If a feature is supported in the CEF path, for instance, and we know the feature-free CEF throughput in a specific configuration, then we only know the platform's "never-to-exceed" performance but we do not know the actual performance of any given feature, which will always be less.

If there are multiple models that were EOS'd at different times, the last EOS date is the one noted.

Platform	Process Switching	Fast/CEF Switching	EOS?
801-5	1000 - cannot do fast switching		No
806		7,000	No
14xx	600	4,000	31-Aug-00
160x(-R)	600	4,000	28-Feb-03
1710	1,300	14,000	No
1720	1,400	8,500	No
1721	1,700	12,000	No
1750(-xx)	1,400	8,500	31-May-02
1751(-xx)	1,500	15,000	No
1760(-xx)	1,700	16,000	No
2500	800	4,400	30-Apr-02
261X	1,500	15,000	23-Apr-03
262X	1,500	25,000	23-Apr-03
265X	2,000	37,000	23-Apr-03
261X(XM)	1,500	20,000	No
262X(XM)	1,500	30,000	No
265X(XM)	2,000	40,000	No
2691	7,400	70,000	No
3620	2,000	20-40,000	No
3640/3640A	4,000	50-70,000	15-Nov-02
3660	12,000	100-120,000	No
3631	4,000	50-70,000	No
3725	7-8,000	100-120,000	No
3745	15-20,000	225-250,000	No
MC3810	2,000	8,000	14-Dec-01
MC3810-V3	3,000	15,000	No
IAD2400	3,000	15,000	No
4000	1,800	14,000	10-Jul-98
4500	3,500	45,000	25-Nov-00
4700	4,600	75,000	25-Nov-00

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Platform	Process Switching	Fast/CEF Switching	EOS?
7120	13,000	175,000	30-Nov-01
7140	20,000	300,000	30-Nov-01
7200-NPE100	7,000	100,000	30-Apr-00
7200-NPE150	10,000	150,000	30-Apr-00
7200-NPE175	9,000	177,848	15-Jul-00
7200-NPE200	13,000	200,000	1-Jan-02
7200-NPE225	13,000	233,170	No
7200-NPE300	20,000	353,000	31-Dec-01
7200-NPE400	20,000	420,000	No
7200-NPE-G1		1,018,000	No
7200-NSE-1	20,000	300,000 (Also has PXF)	No
7300-NSE-100		3,500,000 (Also has 2xPXF)	No
7400	20,000	300,000 (Also has PXF)	No
7000-RP	2,500	30,000	31-Jul-97
7500-RSP2	5,000	220,000	No
7500-RSP4	8,000	345,000	No
7500-RSP8	22,000	470,000	No
7500-RSP16	29,000	530,000	No
10720	50,000	2,000,000 (Also has 2xPXF)	No
12000 (Engine 0)		400,000	No
12000 (Engine 1)		700,000	No
12000 (Engine 2)	~1,000,000	4,000,000	No
12000 (Engine 3)		4,000,000	No
12000 (Engine 4/4+)		25,000,000	No
Catalyst 4224		35,000	No
Catalyst 2948G-L3		10,000,000	No
Catalyst 4908G-L3		12,000,000	No
Catalyst 4232-L3 Module		6,000,000	No
Catalyst-RSM	14,000	175,000	No
Catalyst-RSFC		170,000	No
Catalyst-RSFC/NFFCII		2,000,000	No
Catalyst-MSFC	170,000	15,000,000	28-Feb-02
Catalyst-MSFC2	680,000	15 or 30Mpps(central), up to 210Mpps (DFC)	No