# 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 |