

Sheet2

All tests done with Agilent N2X specialized test system, RouterOS v3. Date: May 2007

Calculation from pps to Mbps: $(IP\ packet\ size + 18) * 8 * pps / 1000000$

Results in *Italic font* mean that the test achieved Maximum theoretically possible over tested number of ports)

Mbps

RB1000 (Tested on 4x Gigabit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	171,87	1047,28	2416,66
N/A	On	Routing	125,95	792,88	1967,33
Off	Off	Rstp-bridge	262,4	1553,96	3157,44
On	Off	Rstp-bridge	156,13	945,52	2222,35
On	On	Rstp-bridge	118,74	708,08	1894,46

RB600 (Tested on 2x Gigabit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	43,62	271,36	745,64
N/A	On	Routing	34,11	216,24	592,63
Off	Off	Rstp-bridge	66,06	406,62	1020,1
On	Off	Rstp-bridge	40,61	256,52	697,07
On	On	Rstp-bridge	32,6	207,76	536,76

RB411, RB450, RB433 (Tested on 2x 100Mbit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	33,72	<i>192,92</i>	<i>197,34</i>
N/A	On	Routing	25,72	<i>192,92</i>	<i>197,34</i>
Off	Off	Rstp-bridge	52,09	<i>192,92</i>	<i>197,34</i>
On	Off	Rstp-bridge	32,08	<i>192,92</i>	<i>197,34</i>
On	On	Rstp-bridge	22,83	<i>143,74</i>	<i>197,34</i>

RB333 (Tested on 2x 100Mbit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	31,16	<i>192,92</i>	<i>197,34</i>
N/A	On	Routing	14,76	<i>93,28</i>	<i>197,34</i>
Off	Off	Rstp-bridge	53,6	<i>192,92</i>	<i>197,34</i>
On	Off	Rstp-bridge	25,26	<i>156,37</i>	<i>197,34</i>
On	On	Rstp-bridge	11,22	<i>68,69</i>	<i>197,34</i>

RB532 (Tested on 2x 100Mbit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	13,32	81,83	182,77
N/A	On	Routing	7,68	48,34	128,12
Off	Off	Rstp-bridge	30,5	178,5	182,16
On	Off	Rstp-bridge	11,28	69,54	182,16
On	On	Rstp-bridge	7,35	46,22	119,01

RB230 (Tested on 2x 100Mbit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	13,84	64,02	115,37
N/A	On	Routing	9,45	45,79	88,65
Off	Off	Bridging	19,68	75,9	129,94
On	Off	Bridging	13,78	62,75	111,72
On	On	Bridging	9,84	46,64	88,65

RB133 (Tested on 2x 100Mbit interfaces)

Firewall	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	6,34	38,54	97,49
N/A	On	Routing	3,67	22,21	56,96
Off	Off	Bridging	9,19	54,29	114,32
On	Off	Bridging	5,19	32	80
On	On	Bridging	3,24	19,7	51,41