

# Sheet1

All tests done with Agilent N2X two port 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 possible on this interface

PPS

## RB1000 (Tested on 4x Gigabit interfaces)

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	262000	247000	199000
N/A	On	Routing	192000	187000	162000
Off	Off	Rstp-bridge	400000	366500	260000
On	Off	Rstp-bridge	238000	223000	183000
On	On	Rstp-bridge	181000	167000	156000

## RB600 (Tested on 2x Gigabit interfaces)

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	66500	64000	61400
N/A	On	Routing	52000	51000	48800
Off	Off	Rstp-bridge	100700	95900	84000
On	Off	Rstp-bridge	61900	60500	57400
On	On	Rstp-bridge	49700	49000	44200

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

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	51400	<i>45500</i>	<i>16250</i>
N/A	On	Routing	39200	<i>45500</i>	<i>16250</i>
Off	Off	Rstp-bridge	79400	<i>45500</i>	<i>16250</i>
On	Off	Rstp-bridge	48900	<i>45500</i>	<i>16250</i>
On	On	Rstp-bridge	34800	33900	<i>16250</i>

## RB333 (Tested on 2x 100Mbit interfaces)

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	47500	<i>45500</i>	<i>16250</i>
N/A	On	Routing	22500	22000	<i>16250</i>
Off	Off	Rstp-bridge	81700	<i>45500</i>	<i>16250</i>
On	Off	Rstp-bridge	38500	36880	<i>16250</i>
On	On	Rstp-bridge	17100	16200	<i>16250</i>

## RB532 (Tested on 2x 100Mbit interfaces)

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	20300	19300	15050
N/A	On	Routing	11700	11400	10550
Off	Off	Rstp-bridge	46500	42100	15000
On	Off	Rstp-bridge	17200	16400	15000
On	On	Rstp-bridge	11200	10900	9800

## RB230 (Tested on 2x 100Mbit interfaces)

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	21100	15100	9500
N/A	On	Routing	14400	10800	7300
Off	Off	Bridging	30000	17900	10700
On	Off	Bridging	21000	14800	9200
On	On	Bridging	15000	11000	7300

## RB133 (Tested on 2x 100Mbit interfaces)

IP Firewall for Bridge	Conntrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	9660	9089	8028
N/A	On	Routing	5588	5239	4690
Off	Off	Bridging	14010	12804	9414
On	Off	Bridging	7913	7548	6588
On	On	Bridging	4933	4647	4233

## 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)					
IP Firewall for Bridge	Contrack	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)					
IP Firewall for Bridge	Contrack	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)					
IP Firewall for Bridge	Contrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	33,72	192,92	197,34
N/A	On	Routing	25,72	192,92	197,34
Off	Off	Rstp-bridge	52,09	192,92	197,34
On	Off	Rstp-bridge	32,08	192,92	197,34
On	On	Rstp-bridge	22,83	143,74	197,34

RB333 (Tested on 2x 100Mbit interfaces)					
IP Firewall for Bridge	Contrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	31,16	192,92	197,34
N/A	On	Routing	14,76	93,28	197,34
Off	Off	Rstp-bridge	53,6	192,92	197,34
On	Off	Rstp-bridge	25,26	156,37	197,34
On	On	Rstp-bridge	11,22	68,69	197,34

RB532 (Tested on 2x 100Mbit interfaces)					
IP Firewall for Bridge	Contrack	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)					
IP Firewall for Bridge	Contrack	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)					
IP Firewall for Bridge	Contrack	Mode	64 byte packets	512 byte packets	1500 byte packets
N/A	Off	Routing	6,34	38,54	97,49

## Sheet2

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