

# RFC 2544 Test Report

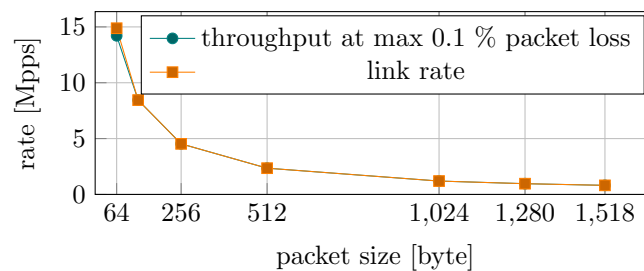
## 1 General Test Information

Device Under Test: MikroTik CCR1036-8G-2S+ router  
Operating System: RouterOS 6.27  
Date: 2015-09-13

## 2 Throughput

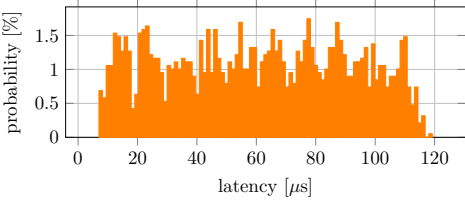
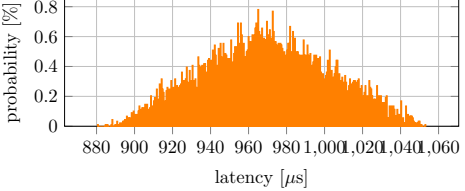
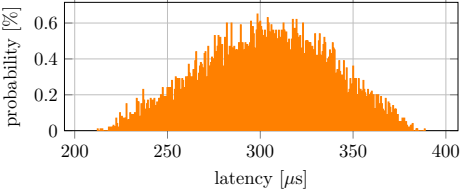
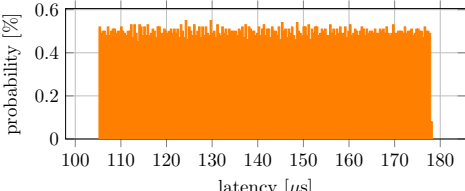
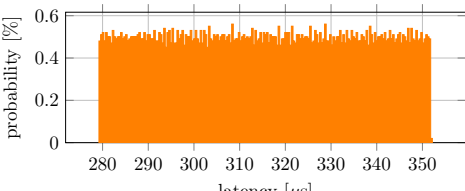
Test Duration: 10 s  
Maximal Loss Rate: 0.100 %  
Accuracy: 100 Mbps

Frame Size (bytes)	Iteration	Total Tx Frames	Total Rx Frames	Throughput (Mpps)	Throughput (Mbps)
64	1	142040493	142040493	14.204	9545.121
128	1	84456666	84456644	8.446	9999.669
256	1	45288369	45288369	4.529	9999.672
512	1	23495472	23495438	2.350	9999.673
1024	1	11972835	11972835	1.197	9999.712
1280	1	9615123	9615123	0.962	9999.728
1518	1	8127189	8127189	0.813	9999.693



### 3 Latency

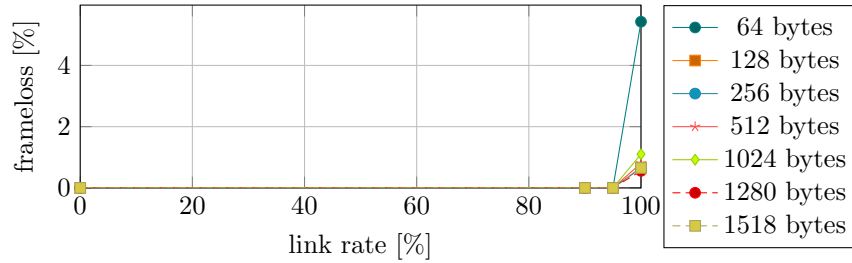
Test Duration: 10 s

Frame Size (bytes)	Throughput (Mpps)	Latency Min ( $\mu s$ )	Latency Avg ( $\mu s$ )	Latency Max ( $\mu s$ )	
64	17.101	7027.2	60521.6	118489.6	
128	10.134	416256.0	504899.0	588070.4	
256	5.434	880460.8	969726.6	1053094.4	
512	2.818	212160.0	303170.1	388518.4	
1024	1.436	213094.4	249577.8	286092.8	
1280	1.153	105190.4	141558.3	177958.4	
1518	0.974	279206.4	315488.2	351808.0	

## 4 Frame loss rate

Test Duration: 10 s

Frame Size (bytes)	Load (%)	Total Tx Frames	Total Rx Frames	Total Frames Lost	Frame Loss (%)
64	100.0	148804551	140729346	8075205	5.4267
	95.0	141504489	141504489	0	0.0000
	90.0	133924077	133924077	0	0.0000
128	100.0	84456666	83893789	562877	0.6665
	95.0	80297217	80297217	0	0.0000
	90.0	76062483	76062483	0	0.0000
256	100.0	45288369	44996915	291454	0.6436
	95.0	43052562	43052562	0	0.0000
	90.0	40759551	40759551	0	0.0000
512	100.0	23495472	23306817	188655	0.8029
	95.0	22334130	22334130	0	0.0000
	90.0	21150045	21150045	0	0.0000
1024	100.0	11972835	11840826	132009	1.1026
	95.0	11377044	11377044	0	0.0000
	90.0	10778859	10778859	0	0.0000
1280	100.0	9615123	9561637	53486	0.5563
	95.0	9134937	9134937	0	0.0000
	90.0	8654310	8654310	0	0.0000
1518	100.0	8127189	8074123	53066	0.6529
	95.0	7722351	7722351	0	0.0000
	90.0	7315434	7315434	0	0.0000



## 5 Back-to-back frames

Test Duration: 2 s

Accuracy: 100 packets

Rate: 10000 Mbps

Frame Size (bytes)	Burst size min	Burst size avg	Burst size max	Theoretical maximum
64	116031	116031.0	116031	29761905
128	16891892	16891892.0	16891892	16891892
256	9057972	9057972.0	9057972	9057972
512	4699249	4699249.0	4699249	4699249
1024	2394637	2394637.0	2394637	2394637
1280	1923077	1923077.0	1923077	1923077
1518	1625488	1625488.0	1625488	1625488

