LITMUS

Network Performance Report

v1.0.3.38714

2026-02-19 21:39:23

RPT-20260219213923

AVERAGE THROUGHPUT

4.96 Gbps

Min: 4.56 Gbps | Max: 5.01 Gbps | Total: 11.45 GB

NETWORK QUALITY GRADE

A

100 / 100

BANDWIDTH	LATENCY	JITTER	PACKET LOSS	INTEGRITY
99	100	100	100	100
×0.35 = 34.7	×0.30 = 30.0	×0.15 = 15.0	×0.10 = 10.0	×0.10 = 10.0

TEST CONFIGURATION

HOST 172.29.48.1	PORT 7201
PROTOCOL TCP	DIRECTION Download
DURATION 20 seconds	BANDWIDTH 5 Gbit/s
DATA PATTERN Random	STREAMS 8
OMIT INITIAL 2s	LATENCY THRESH 100ms
JITTER THRESH 10ms	LOSS THRESH 0.05%

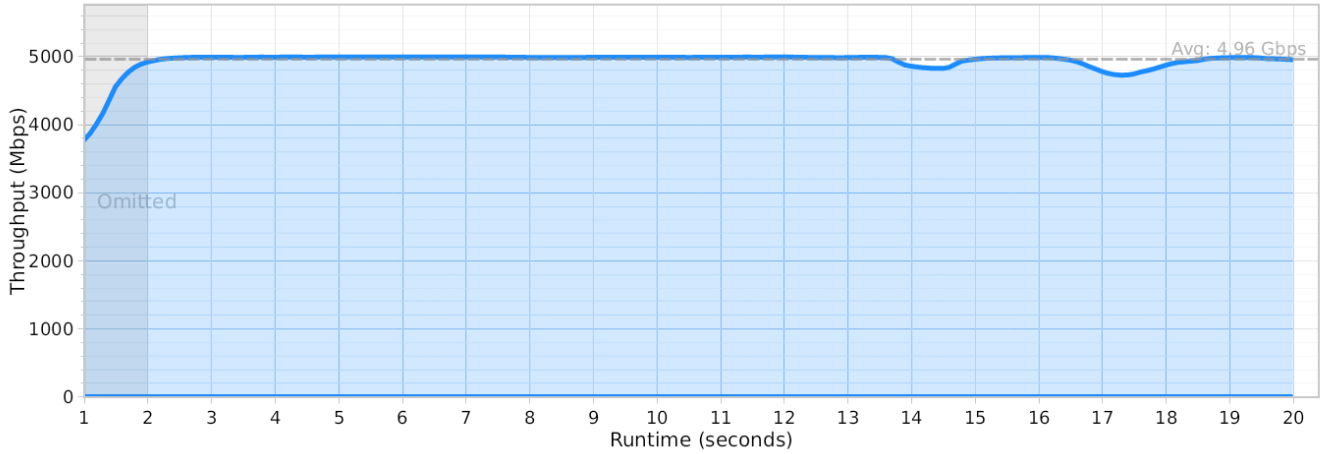
QUALITY SUMMARY

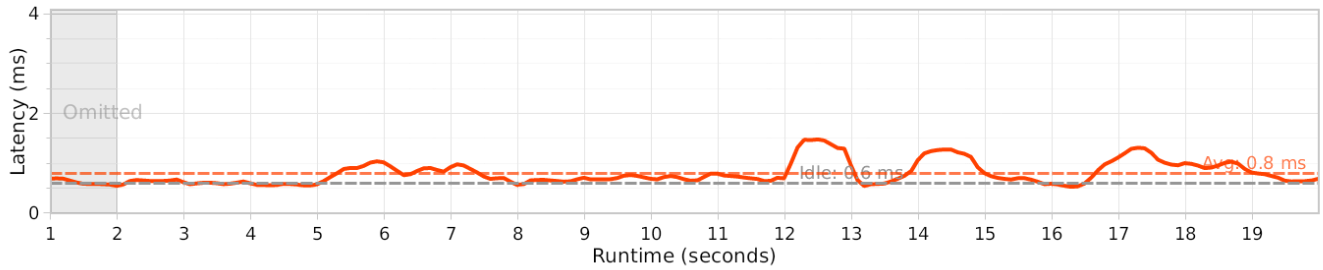
LATENCY	0.80 ms	PASS
LATENCY INCREASE	+0.24 ms	PASS
JITTER	N/A	PASS
PACKET LOSS	0% (TCP)	PASS
DATA INTEGRITY	PASS (84,973)	PASS

BANDWIDTH	99/100	Spread 9.0%, consistent
LATENCY	100/100	0.8ms vs 100.0ms threshold
JITTER	100/100	No jitter data (TCP)
PACKET LOSS	100/100	0% (TCP reliable)
INTEGRITY	100/100	84,973 verified, 0 corrupt

TCP THROUGHPUT RESULTS

Metric	Value	Metric	Value
Average Throughput	4.96 Gbps	Total Transferred	11.45 GB
Minimum Throughput	4.56 Gbps	Maximum Throughput	5.01 Gbps
Idle Latency	0.56 ms	Loaded Latency	0.80 ms
Latency Increase	+0.24 ms	Test Duration	00:00:19.9
Packet Loss	N/A (TCP reliable)	Streams	8
Data Integrity	PASS (84,973 checked)	Corrupt Packets	0
TCP Retransmits	0	TCP Connect Time	0.79 ms
Network Quality	A (100/100)		





RECOMMENDATIONS

FULL METRICS

Metric	Value	Metric	Value
Average Throughput	4.96 Gbps	Total Transferred	11.45 GB
Minimum Throughput	4.56 Gbps	Maximum Throughput	5.01 Gbps
Idle Latency	0.56 ms	Loaded Latency	0.80 ms
Latency Increase	+0.24 ms	Test Duration	00:00:19.9
Packet Loss	N/A (TCP reliable)	Streams	8
Data Integrity	PASS (84,973 checked)	Corrupt Packets	0
TCP Retransmits	0	TCP Connect Time	0.79 ms
Network Quality	A (100/100)		

DOCUMENT VERIFICATION

Report ID	20260219213923
Document Hash	N/A
Generated	February 19, 2026 at 9:39:23 PM
Generated By	LITMUS v1.0.3.38714
Machine	DESKTOP-L9POTOO
Processor	AMD Ryzen 5 5600XT 6-Core Processor @ 12 logical cores
Memory	8 GB
OS	Unix 5.15.167.4
Runtime	.NET 8.0.23

Note: Test results may be influenced by the host machine's hardware capabilities. Systems with limited CPU or memory resources may not sustain the throughput required for high-bandwidth tests, particularly UDP, potentially yielding results that underrepresent actual network capacity.

DATA PATTERN REFERENCE

Random payload per RFC 2544 Section 9 and ITU-T O.150. Pseudo-random bit sequences (PRBS) prevent payload compression on the wire and provide realistic traffic simulation. This is the recommended pattern for general throughput benchmarking.

SAMPLE DATA

↓ TCP Download Samples

Timestamp	Throughput	Latency (ms)
21:39:02 0s	3.05 Gbps	0.56
21:39:03 1s	4.60 Gbps	0.59
21:39:04 2s	4.98 Gbps	0.64
21:39:05 3s	4.99 Gbps	0.58
21:39:06 4s	4.99 Gbps	0.59
21:39:07 5s	4.99 Gbps	0.88
21:39:08 6s	4.99 Gbps	0.89
21:39:09 7s	4.99 Gbps	0.73
21:39:10 8s	4.99 Gbps	0.65
21:39:11 9s	4.99 Gbps	0.73
21:39:12 10s	4.99 Gbps	0.67
21:39:13 11s	4.99 Gbps	0.68
21:39:14 12s	4.99 Gbps	1.40
21:39:15 13s	4.99 Gbps	0.62
21:39:16 14s	4.84 Gbps	1.19
21:39:17 15s	4.98 Gbps	0.70
21:39:18 16s	4.93 Gbps	0.69
21:39:19 17s	4.76 Gbps	1.14
21:39:20 18s	4.95 Gbps	1.00
21:39:21 19s	4.97 Gbps	0.68