LinkProven

Version 1.0.0

www.linkproven.com

LAN Characterization Report

PASS

CABLE VERDICT

UDP loss 0.000 % over all cases

CASES JUDGED	UDP LOSS	WORST CASE	PING LOSS · NIC ERRORS
20	0.000 %	none	0.000 % · 0
20 pass	0 of 7,599,235 datagrams	no case lost a datagram	0 of 35,834 pings lost · 0 NIC errors

Table-2 entry

Test point	Cable	Loss %	Pass / Fail	Comment
TP3	CAB-0042	0.000	Pass	All 4 criteria met · 20 cases · 7,599,235 packets, 0 lost

Run ID	LinkProven_sample_TP3
Started	2026-10-20 09:30:00
Finished	2026-10-20 09:41:04
Duration	11m 4s
Server IP	192.168.1.1
Client IP	192.168.1.2
Protocol	UDP
Cases ok	20 / 20
fping	5.5
iperf3	3.21
Technician	A. Technician
Customer	Sample Rail Ltd
Test point	TP3
Cable ID	CAB-0042
Cable length (m)	41.6
Campaign	Sample campaign — Unit 12 commissioning
Train set	Unit 12
Location	Depot road 3
From → To	Car A cab rack → Car B saloon switch
Design length	42 m / 2 breaks
Cable	Cat5e · SF/UTP · M12 D-coded
Conditions	21 °C · 48 % RH · Shore supply · HVAC on
Procedure	TP-ETH-001 rev C
Work order	WO-0000
Witness present	Yes

How to read this report

- Verdict: PASS = all four criteria met. FAIL = the cable is implicated (lost or damaged frames on the wire). REPEAT = packets were lost inside a laptop while the cable delivered every frame — run it again. INCOMPLETE = some evidence was not recorded; it is never read as a pass.
- Loss % = UDP datagrams lost ÷ sent, from the receiving laptop's iperf3 counts, summed over the cases in scope (not an average of percentages).
- Wire load counts each packet's 66 B of UDP/IP/Ethernet overhead. A case above 100 % asks for more than the link can carry: only its UDP loss is judged.
- Cable delivered = the Server's network card counted every packet the Client's card sent, the Client's card every reply (20 background frames allowed), and no frame arrived damaged.
- Ping times in the cases that fill the link (70–90 Mb/s, smallest payloads first) include the wait behind the test traffic in the laptop's UDP send buffer, so they can reach a few hundred ms. That is queueing, not the cable: round-trip time is not a criterion — only a lost ping is.
- Performance Metrics: one row per case — throughput iperf3 received, jitter and UDP loss, and fping's minimum / average / maximum round-trip time. Rows are shaded by the case result.
- The appendix holds the raw evidence: per-case commands and return codes, summary statistics and charts. The .json beside this file is the full record.

Cable acceptance (Table-2)

CABLE VERDICT: PASS — loss 0.000 % over all cases

Scope: all cases. Link: 100 Mb/s, full duplex. Throughput ≥ 99 % of what each case can deliver. UDP loss ≤ 0 % per case (or ≤ the bench baseline for that case). Ping loss ≤ 0 %. NIC error counters must not rise.

Loss % = UDP datagrams lost ÷ sent over the scope, from the receiving laptop's iperf3 counts (packet-weighted, not an average of percentages).

Bench baseline: Bench patch cord (LinkProven_sample_bench), overall loss 0.000 %.

The cable passes if all of these hold

No.	Criterion	Result	Evidence
(1)	Link	PASS	both NICs 100 Mb/s full duplex
(2)	Ping loss	PASS	0 of 35,834 pings lost (0.000 %)
(3)	Throughput & UDP loss	PASS	20 cases within the loss limit, throughput ≥ 99 % of expected (1 above link capacity: loss only)
(4)	NIC errors	PASS	no receive/transmit errors

Case by case

#	Payload (B)	BW (Mb/s)	Wire load	Expected (Mb/s)	Received (Mb/s)	Lost / sent	Loss %	Baseline %	NIC errors	Cable delivered	Result
1	200	10	13 %	10.00	9.99	0 / 187,312	0.000	—	0	yes	PASS
2	200	30	40 %	30.00	29.97	0 / 561,937	0.000	—	0	yes	PASS
3	200	50	66 %	50.00	49.95	0 / 936,562	0.000	—	0	yes	PASS
4	200	70	93 %	70.00	69.93	0 / 1,311,187	0.000	—	0	yes	PASS
5	200	90	120 % (over)	75.19	73.83	0 / 1,384,312	0.000	—	0	yes	PASS
6	600	10	11 %	10.00	9.99	0 / 62,437	0.000	—	0	yes	PASS
7	600	30	33 %	30.00	29.97	0 / 187,312	0.000	—	0	yes	PASS
8	600	50	56 %	50.00	49.95	0 / 312,187	0.000	—	0	yes	PASS
9	600	70	78 %	70.00	69.93	0 / 437,062	0.000	—	0	yes	PASS
10	600	90	100 %	90.00	89.91	0 / 561,937	0.000	—	0	yes	PASS
11	1000	10	11 %	10.00	9.99	0 / 37,462	0.000	—	0	yes	PASS
12	1000	30	32 %	30.00	29.97	0 / 112,387	0.000	—	0	yes	PASS
13	1000	50	53 %	50.00	49.95	0 / 187,312	0.000	—	0	yes	PASS
14	1000	70	75 %	70.00	69.93	0 / 262,237	0.000	—	0	yes	PASS
15	1000	90	96 %	90.00	89.91	0 / 337,162	0.000	—	0	yes	PASS
16	1300	10	11 %	10.00	9.99	0 / 28,817	0.000	—	0	yes	PASS
17	1300	30	32 %	30.00	29.97	0 / 86,451	0.000	—	0	yes	PASS
18	1300	50	53 %	50.00	49.95	0 / 144,086	0.000	—	0	yes	PASS
19	1300	70	74 %	70.00	69.93	0 / 201,721	0.000	—	0	yes	PASS
20	1300	90	95 %	90.00	89.91	0 / 259,355	0.000	—	0	yes	PASS

Performance Metrics

Steady-state network with no external simulated or video traffic. QoS: COS set to 0.

Payload (Bytes)	Bandwidth Pushed (Mbps)	Throughput Received (Mbps)	Jitter (ms)	Packet Loss (%)	Min Latency (ms)	Avg Latency (ms)	Max Latency (ms)
200	10	9.99	0.027	0.000	0.29	0.84	1.85
200	30	29.97	0.040	0.000	0.37	1.05	2.31
200	50	49.95	0.053	0.000	0.48	1.37	3.00
200	70	69.93	0.067	0.000	0.62	1.78	3.93

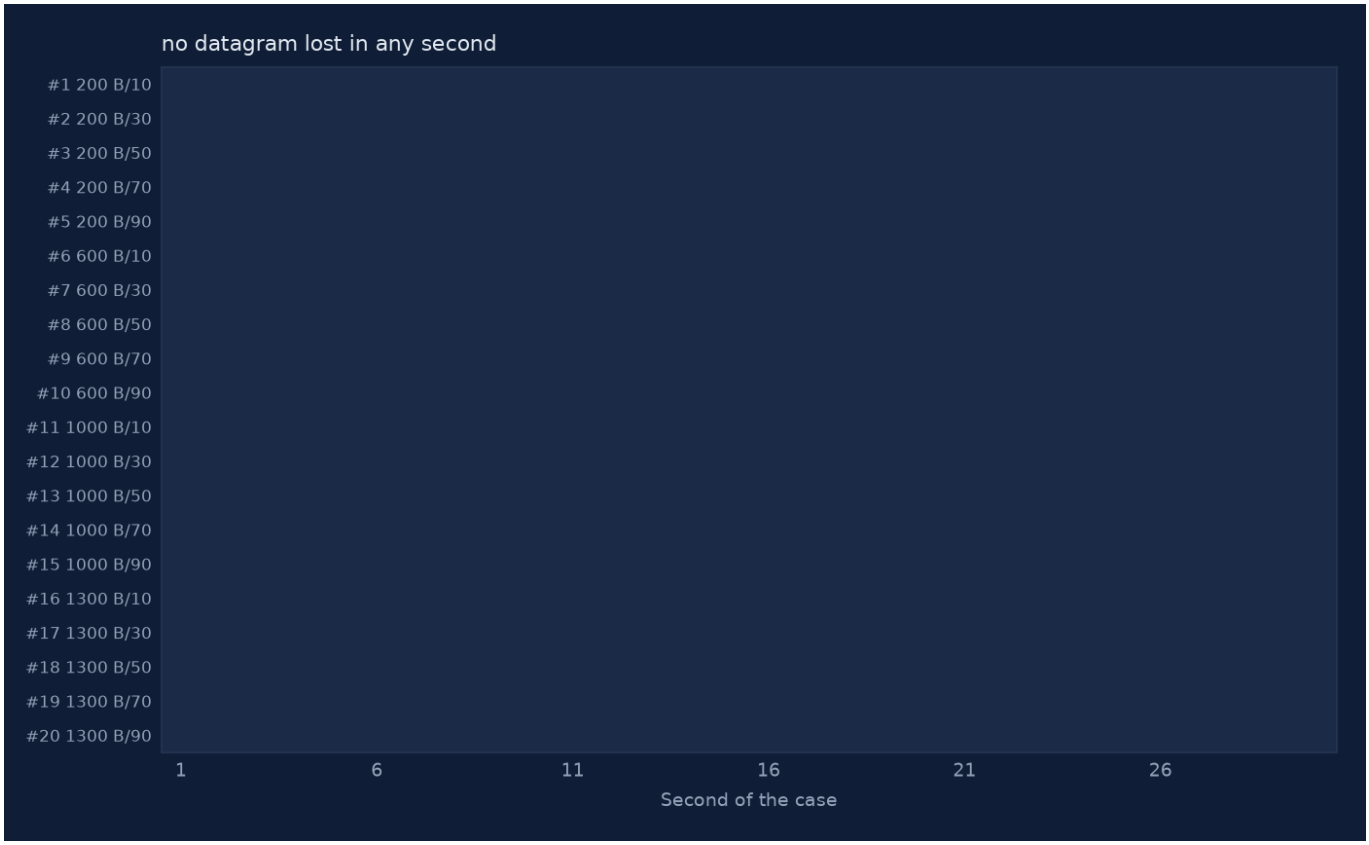
Payload (Bytes)	Bandwidth Pushed (Mbps)	Throughput Received (Mbps)	Jitter (ms)	Packet Loss (%)	Min Latency (ms)	Avg Latency (ms)	Max Latency (ms)
200	90	73.83	0.080	0.000	55.30	158.00	205.40
600	10	9.99	0.027	0.000	0.32	0.92	2.02
600	30	29.97	0.040	0.000	0.40	1.15	2.53
600	50	49.95	0.053	0.000	0.52	1.49	3.29
600	70	69.93	0.067	0.000	0.68	1.95	4.30
600	90	89.91	0.080	0.000	0.97	2.76	6.07
1000	10	9.99	0.027	0.000	0.35	1.00	2.20
1000	30	29.97	0.040	0.000	0.44	1.25	2.75
1000	50	49.95	0.053	0.000	0.57	1.62	3.58
1000	70	69.93	0.067	0.000	0.74	2.12	4.68
1000	90	89.91	0.080	0.000	1.05	3.00	6.60
1300	10	9.99	0.027	0.000	0.37	1.06	2.33
1300	30	29.97	0.040	0.000	0.46	1.32	2.92
1300	50	49.95	0.053	0.000	0.60	1.72	3.79
1300	70	69.93	0.067	0.000	0.79	2.25	4.96
1300	90	89.91	0.080	0.000	1.11	3.18	7.00

Case matrix



Each cell is one case: payload down, offered bandwidth across, coloured by its result and labelled with its UDP loss %. ▲ marks a case over the link's capacity (payload + 66 B per datagram), judged on UDP loss only. Dimmed cells were outside the acceptance scope; blank cells did not run.

Lost datagrams per second



One row per case, one column per second of the case. A lit cell is a second in which the receiving laptop counted datagrams lost; brighter = more.

Sign-off

Result: PASS	Tested by — Test engineer	Witnessed by — Client witness	Witnessed by
Name	A. Technician	B. Inspector	
Organisation	Sample Test Services	Sample Rail Ltd	
Signature			
Date			

Link and laptop evidence

Recorded so a loss can be traced to its cause. NIC receive/transmit errors mean frames arrived damaged (cable or connector). When the Server's network card received every packet the Client's card sent and iperf3 still counted some lost, those packets crossed the cable and were dropped inside the Server laptop.

Laptops at the start of the run

	Client laptop	Server laptop
Computer	TEST-LAPTOP-B	TEST-LAPTOP-A
Model	Dell Latitude 5440 (S/N SAMPLE-B)	Dell Latitude 5440 (S/N SAMPLE-A)
NIC driver	Intel(R) Ethernet Connection I219-LM · driver 12.19.2.60	Intel(R) Ethernet Connection I219-LM · driver 12.19.2.60
Kit fingerprint	cfa65adb	cfa65adb
Adapter	Ethernet (Intel(R) Ethernet Connection I219-LM)	Ethernet (Intel(R) Ethernet Connection I219-LM)
Link	100 Mb/s full duplex	100 Mb/s full duplex
Power source	mains	mains
Power mode	unknown	unknown
Receive Buffers	not exposed	not exposed
Speed & Duplex setting	not exposed	not exposed
NIC power saving	not exposed	not exposed
Readiness	WARN (Power mode)	WARN (Power mode)
Read at	—	—

Link during the run

Time	Link change
—	no drop or speed change

Polled every 0.25 s from the start of the warm-up to the last case, gaps between cases included. Any change fails criterion (1).

NIC counters over the run

Laptop	Rx errors	Rx discards	Tx errors	Tx discards	Rx packets
Client	0	0	0	0	37,840
Server	0	0	0	0	7,637,035

Warm-up — settled on attempt 1 (20 s at 200 B / 50 Mb/s)

Warm-up attempt	Lost / sent	Avg ping (ms)	NIC errors	Result
1	0 / 625,000	1.40	0	settled

Unrecorded 20 s runs at 200 B / 50 Mb/s before the sweep. Settled = nothing lost, average ping ≤ 2 ms and no NIC errors.

Per-case detail

Case #01 — payload 200 B, bandwidth 10 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	9.990 Mbps
Jitter	0.027 ms
Loss	0.000 %
Min / Avg / Max latency	0.29 / 0.84 / 1.85 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 200 -b 10M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #02 — payload 200 B, bandwidth 30 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	29.970 Mbps
Jitter	0.040 ms
Loss	0.000 %
Min / Avg / Max latency	0.37 / 1.05 / 2.31 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 200 -b 30M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #03 — payload 200 B, bandwidth 50 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	49.950 Mbps
Jitter	0.053 ms
Loss	0.000 %
Min / Avg / Max latency	0.48 / 1.37 / 3.00 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 200 -b 50M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #04 — payload 200 B, bandwidth 70 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	69.930 Mbps
Jitter	0.067 ms
Loss	0.000 %
Min / Avg / Max latency	0.62 / 1.78 / 3.93 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 200 -b 70M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #05 — payload 200 B, bandwidth 90 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	73.830 Mbps
Jitter	0.080 ms
Loss	0.000 %
Min / Avg / Max latency	55.30 / 158.00 / 205.40 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 200 -b 90M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #06 — payload 600 B, bandwidth 10 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	9.990 Mbps
Jitter	0.027 ms
Loss	0.000 %
Min / Avg / Max latency	0.32 / 0.92 / 2.02 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 600 -b 10M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #07 — payload 600 B, bandwidth 30 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	29.970 Mbps
Jitter	0.040 ms
Loss	0.000 %
Min / Avg / Max latency	0.40 / 1.15 / 2.53 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 600 -b 30M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #08 — payload 600 B, bandwidth 50 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	49.950 Mbps
Jitter	0.053 ms
Loss	0.000 %
Min / Avg / Max latency	0.52 / 1.49 / 3.29 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 600 -b 50M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #09 — payload 600 B, bandwidth 70 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	69.930 Mbps
Jitter	0.067 ms
Loss	0.000 %
Min / Avg / Max latency	0.68 / 1.95 / 4.30 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 600 -b 70M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #10 — payload 600 B, bandwidth 90 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	89.910 Mbps
Jitter	0.080 ms
Loss	0.000 %
Min / Avg / Max latency	0.97 / 2.76 / 6.07 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 600 -b 90M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #11 — payload 1000 B, bandwidth 10 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	9.990 Mbps
Jitter	0.027 ms
Loss	0.000 %
Min / Avg / Max latency	0.35 / 1.00 / 2.20 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1000 -b 10M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #12 — payload 1000 B, bandwidth 30 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	29.970 Mbps
Jitter	0.040 ms
Loss	0.000 %
Min / Avg / Max latency	0.44 / 1.25 / 2.75 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1000 -b 30M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #13 — payload 1000 B, bandwidth 50 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	49.950 Mbps
Jitter	0.053 ms
Loss	0.000 %
Min / Avg / Max latency	0.57 / 1.62 / 3.58 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1000 -b 50M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #14 — payload 1000 B, bandwidth 70 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	69.930 Mbps
Jitter	0.067 ms
Loss	0.000 %
Min / Avg / Max latency	0.74 / 2.12 / 4.68 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1000 -b 70M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #15 — payload 1000 B, bandwidth 90 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	89.910 Mbps
Jitter	0.080 ms
Loss	0.000 %
Min / Avg / Max latency	1.05 / 3.00 / 6.60 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1000 -b 90M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #16 — payload 1300 B, bandwidth 10 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	9.990 Mbps
Jitter	0.027 ms
Loss	0.000 %
Min / Avg / Max latency	0.37 / 1.06 / 2.33 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1300 -b 10M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #17 — payload 1300 B, bandwidth 30 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	29.970 Mbps
Jitter	0.040 ms
Loss	0.000 %
Min / Avg / Max latency	0.46 / 1.32 / 2.92 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1300 -b 30M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #18 — payload 1300 B, bandwidth 50 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	49.950 Mbps
Jitter	0.053 ms
Loss	0.000 %
Min / Avg / Max latency	0.60 / 1.72 / 3.79 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1300 -b 50M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #19 — payload 1300 B, bandwidth 70 Mbps

Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	69.930 Mbps
Jitter	0.067 ms
Loss	0.000 %
Min / Avg / Max latency	0.79 / 2.25 / 4.96 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1300 -b 70M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Case #20 — payload 1300 B, bandwidth 90 Mbps

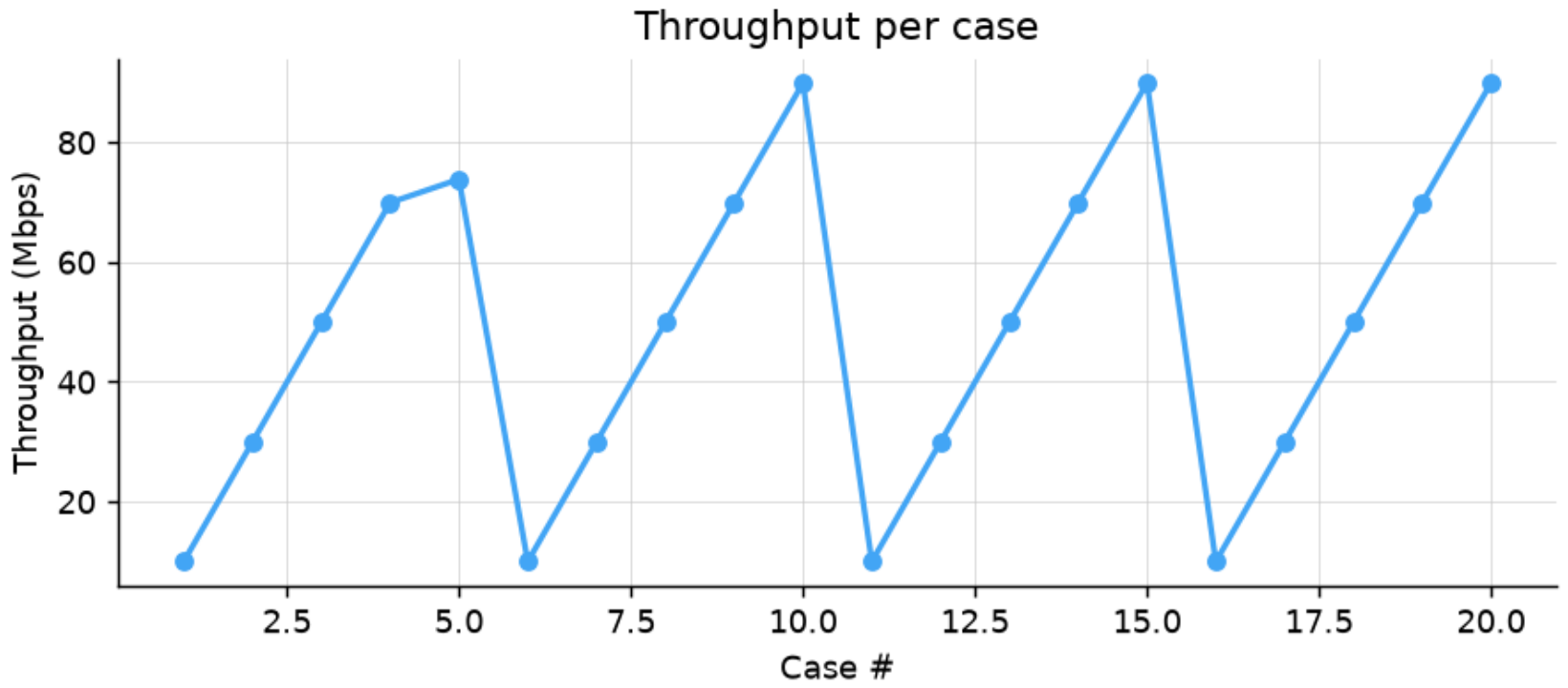
Status	ok
Error	—
iperf3 client rc	0
iperf3 server rc	0
fping rc	0
Throughput	89.910 Mbps
Jitter	0.080 ms
Loss	0.000 %
Min / Avg / Max latency	1.11 / 3.18 / 7.00 ms
iperf3 client cmd	iperf3 -c 192.168.1.1 -B 192.168.1.2 -u -i 1 -t 30 -l 1300 -b 90M -w 2048K --forceflush
iperf3 server cmd	iperf3 -s -i 1 -B 192.168.1.1
fping cmd	fping 192.168.1.1 -S 192.168.1.2 -l -p 10 -s -D -t 1000 -c 1886

Analysis appendix

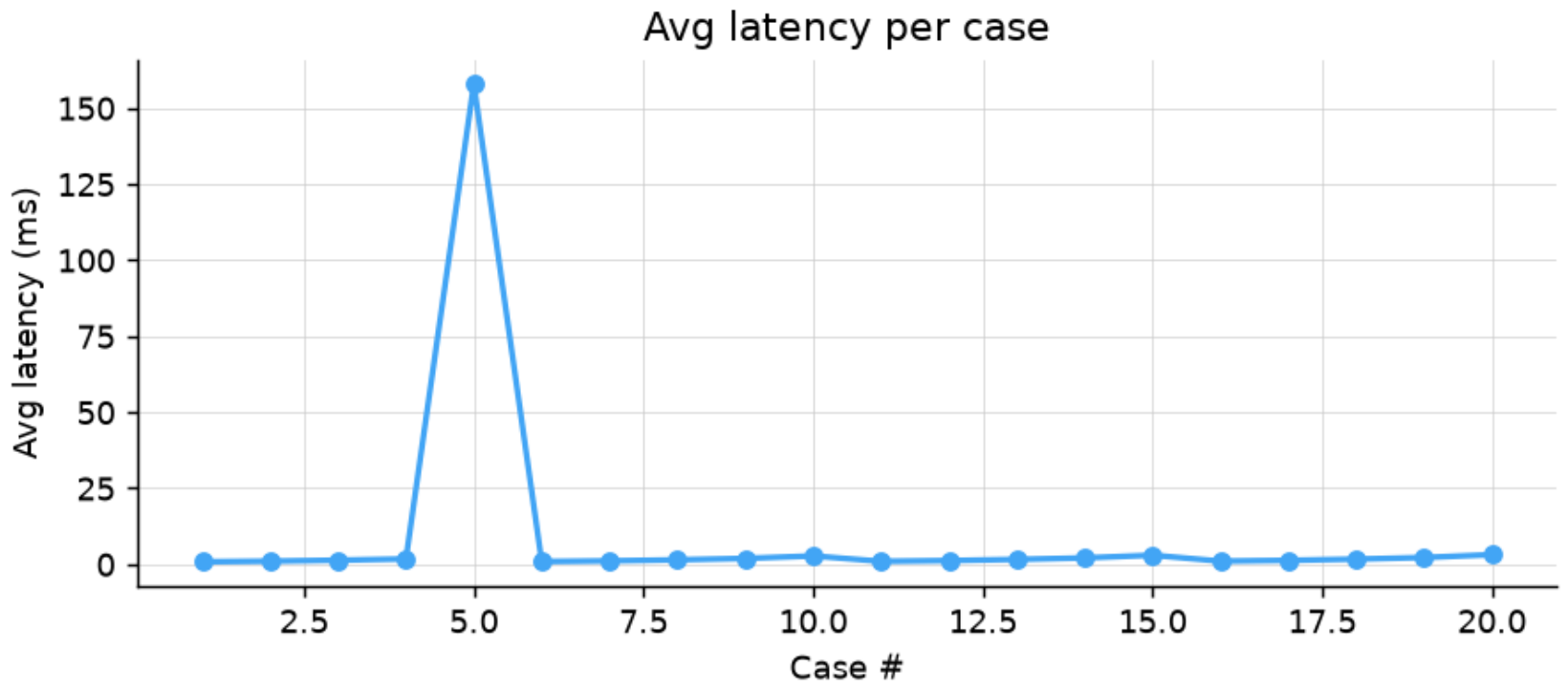
Per-metric stats and per-case charts for this run, plus per-payload and per-bandwidth breakdowns.

Metric	Samples	Min	Avg	Median	Max	Stdev
Throughput (Mbps)	20	9.99	49.15	49.95	89.91	27.32
Avg latency (ms)	20	0.84	9.49	1.56	158.00	34.08
Packet loss (%)	20	0.000	0.000	0.000	0.000	0.000
Jitter (ms)	20	0.027	0.053	0.053	0.080	0.019

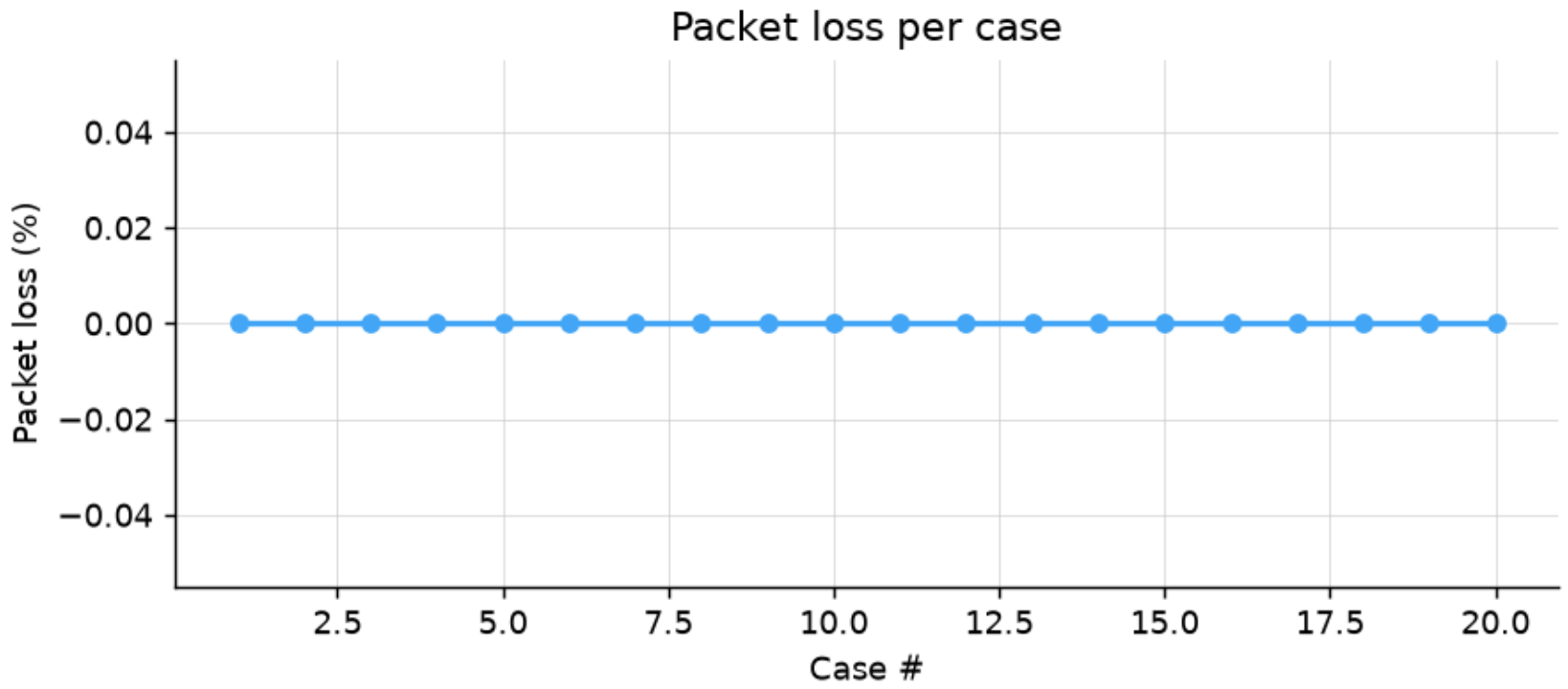
Throughput



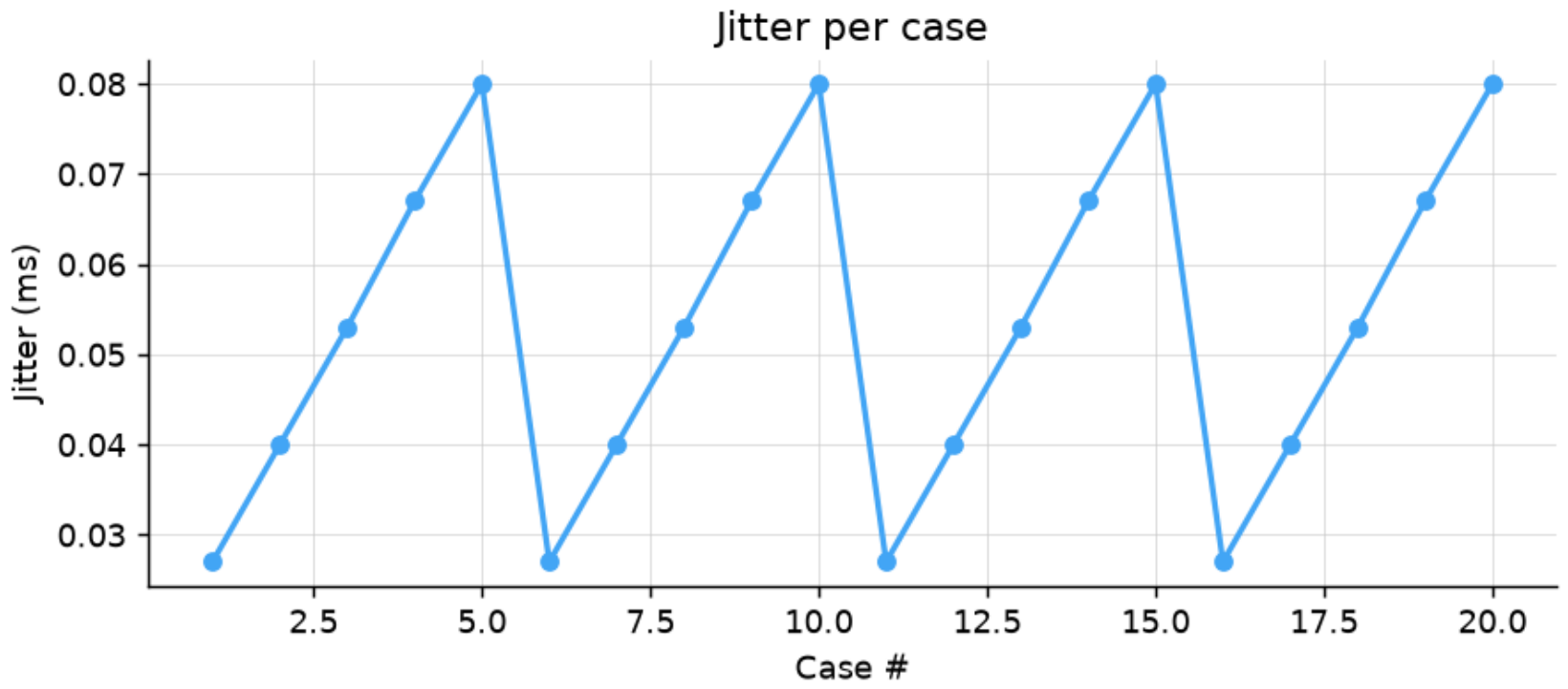
Avg latency


Avg latency per case
Avg latency (ms)
150
125
100
75
50
25
0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Case #

Packet loss

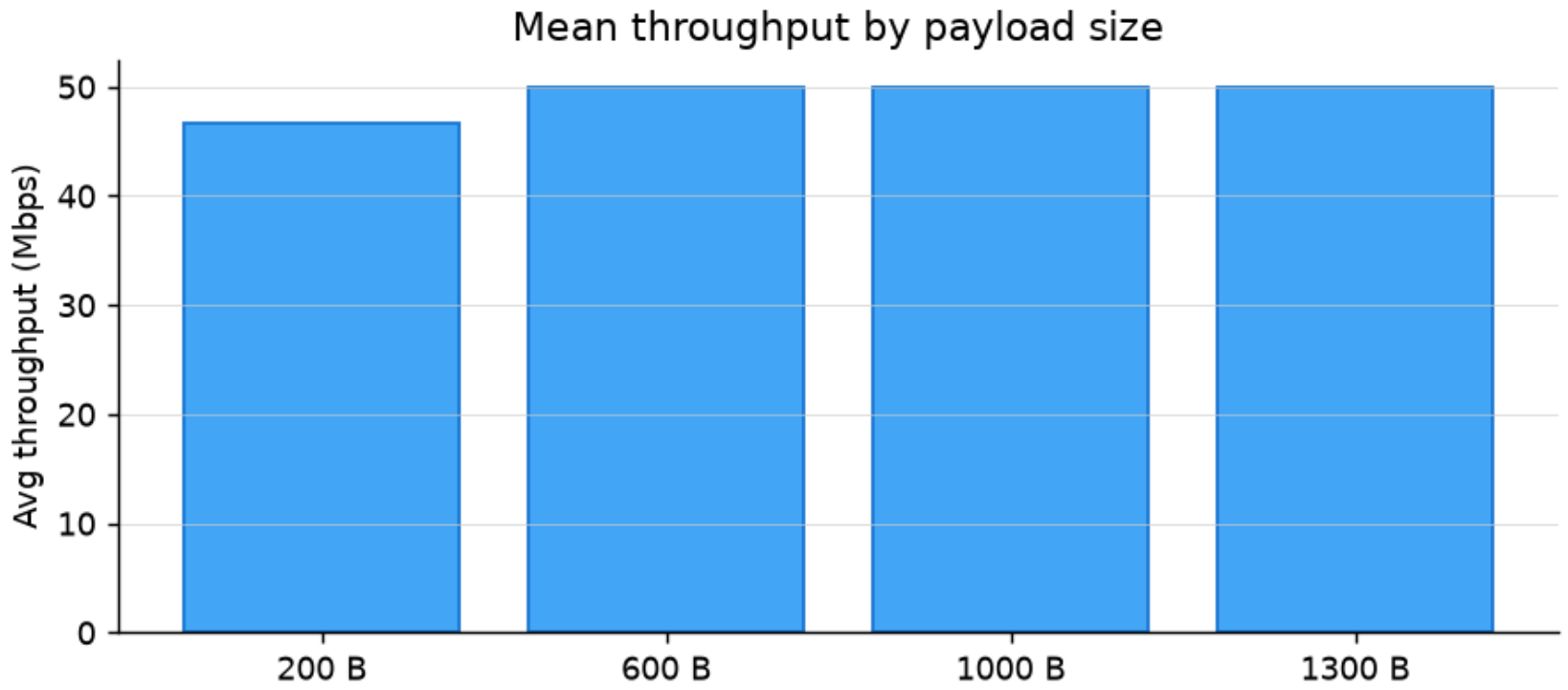

Packet loss per case
Packet loss (%)
0.04
0.02
0.00
−0.02
−0.04
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Case #

Jitter


Jitter per case
Jitter (ms)
0.08
0.07
0.06
0.05
0.04
0.03
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Case #

Mean metrics by payload size

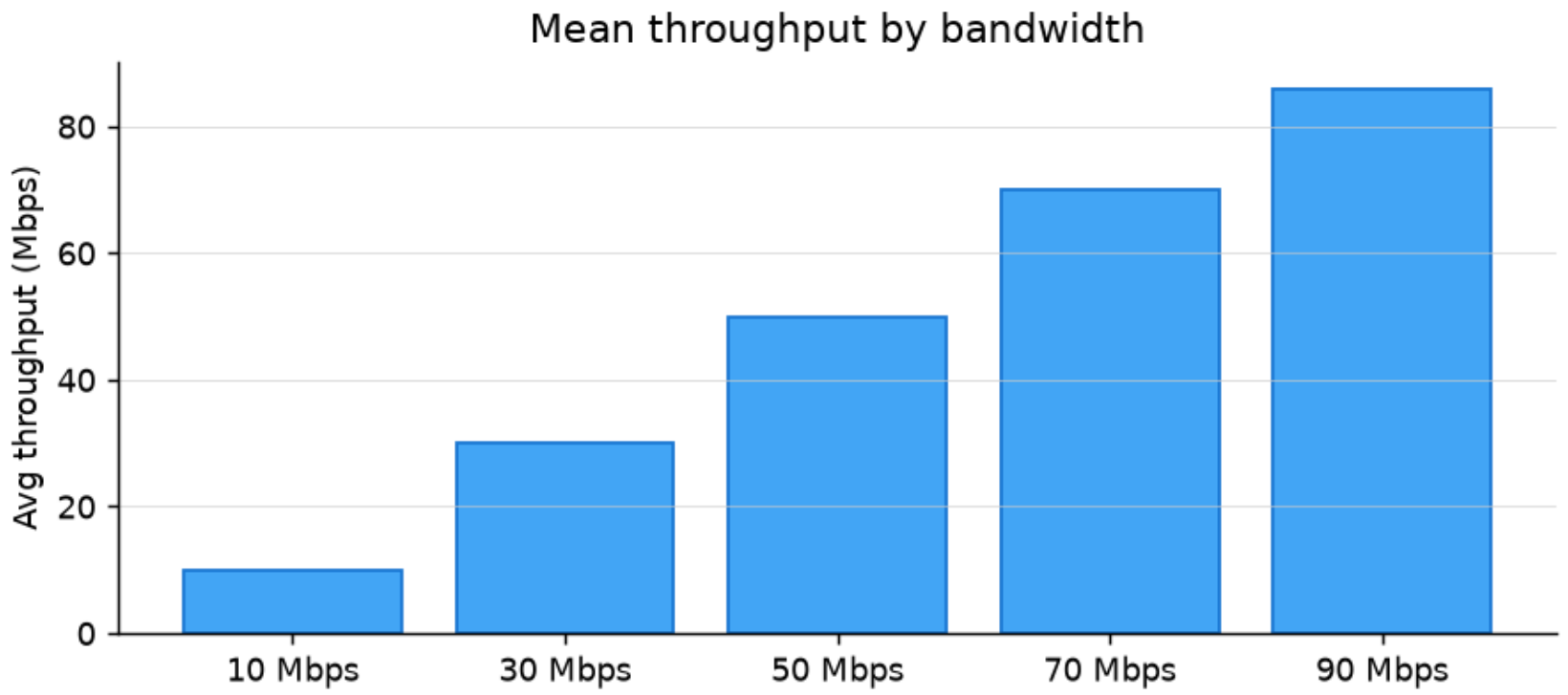
Bucket	Cases	Avg Throughput (Mbps)	Avg Avg (ms)	Avg Packet (%)	Avg Jitter (ms)
200 B	5	46.73	32.61	0.000	0.053
600 B	5	49.95	1.65	0.000	0.053
1000 B	5	49.95	1.80	0.000	0.053
1300 B	5	49.95	1.91	0.000	0.053



Mean metrics by bandwidth

Bucket	Cases	Avg Throughput (Mbps)	Avg Avg (ms)	Avg Packet (%)	Avg Jitter (ms)
10 Mbps	4	9.99	0.96	0.000	0.027

Bucket	Cases	Avg Throughput (Mbps)	Avg Avg (ms)	Avg Packet (%)	Avg Jitter (ms)
30 Mbps	4	29.97	1.19	0.000	0.040
50 Mbps	4	49.95	1.55	0.000	0.053
70 Mbps	4	69.93	2.02	0.000	0.067
90 Mbps	4	85.89	41.73	0.000	0.080



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