example fibre

Report EF-4M8T-2HVQ
6 November 2026, 09:41 GMT

Example Fibre Connection Check

Run with Example Fibre Connection Check for macOS 1.1.0 · macOS 15.6

Reported by the Person Who Ran the Check

Name	Alex Sample
Company	Sample Accountants LLP
Provider's ticket reference	EF-CASE-2207
What's wrong	Video calls were choppy yesterday afternoon. Checking before we raise a fault.

Public IPv4 address	198.51.100.77 · Example Fibre Ltd (AS64501)
Public IPv6 address	2001:db8:77:1::5 · Example Fibre Ltd (AS64501)

Summary

No problems found

NOTE

Your DNS resolver: your provider's resolver

These are the servers that looked up our test name on your behalf.

What Is Working

- IPv4 works
- IPv6 works
- Full-size IPv4 packets get through
- Full-size IPv6 packets get through
- Large DNS answers get through
- Your DNS resolver checks DNSSEC signatures
- Latency stays steady under load (+5 ms)
- Latency is good (7 ms) with no packet loss
- Every site tested loaded
- Yealink phones can reach their provisioning service (RPS)
- Your router keeps one public port per device port (VoIP-friendly NAT)
- SIP passes through unaltered
- **No problems found** Everything we tested looks healthy. If something still isn't working, describe it in the report and share it with your provider: the details here help them rule things out quickly.

The details follow. Each section says who made its measurements: “Measured by our test server” is what our servers observed; “Reported by the device” is what the device that ran the check sent, shown as it was received.

Your Connection

Measured by our test server

IPv4 Address

Public address	`198.51.100.77`
Network	Example Fibre Ltd (AS64501)
Announced prefix	`198.51.100.0/24`
Reverse DNS	`cust-198-51-100-77.example.org`
Location	GB

IPv6 Address

Public address	`2001:db8:77:1::5`
Network	Example Fibre Ltd (AS64501)
Announced prefix	`2001:db8:77::/48`
Location	GB

IPv4 and IPv6

Reported by the device

IPv4	Working
IPv6	Working
Preferred when both work	IPv6

Measured by connecting to our IPv4-only and IPv6-only test servers.

Packet Size (MTU)

Measured by our test server

IPv4

Address seen	`198.51.100.77`
Advertised MSS	1,460 bytes
Implied link MTU	1,500 bytes
Path MTU seen by our server	1,500 bytes
Largest transfer delivered	1 MB

IPv6

Address seen	`2001:db8:77:1::5`
Advertised MSS	1,440 bytes

Implied link MTU	1,500 bytes
Path MTU seen by our server	1,500 bytes
Largest transfer delivered	1 MB

Full-size packets sent from our server to the device. 1,460 bytes on IPv4 or 1,440 on IPv6 is a standard 1,500-byte link.

Latency and Speed

Reported by the device

Ping to check.netavo.com over IPv6

Average round trip	7 ms
Fastest	6.1 ms
95th percentile	8.9 ms
Slowest	12 ms
Jitter	0.8 ms
Packets	250 of 250 returned
Packet loss	0%

Under Load (Bufferbloat)

Idle	6.8 ms
While downloading	12 ms
While uploading	9.4 ms
Download achieved	912.4 Mbps
Upload achieved	887.1 Mbps
Result	Minimal Increase

The speeds are what the test achieved within its limits, not a certified speed measurement.

DNS

Measured by our test server

Resolvers That Asked Our Server

RESOLVER	SERVICE	NETWORK	COUNTRY
198.51.100.2	Not recognised	Example Fibre Ltd (AS64501)	GB
2001:db8:77::53	Not recognised	Example Fibre Ltd (AS64501)	GB

Asked for IPv6 addresses (AAAA)	Yes
Large answer	Retried over TCP and received
Largest UDP answer accepted	1,232 bytes
Asked for DNSSEC records	Yes
Shares part of your address (ECS)	No

Rejects names with broken DNSSEC	Yes (validating)

Lookups Against Each DNS Server

SERVER	LOOKUPS	ANSWERED	AVERAGE TIME
192.168.1.1	2	2 of 2	6.3 ms

Every lookup was answered.

Websites

Reported by the device

6 of 6 site checks from the device succeeded. Details are shown only where something is notable: a failure, a private root certificate (HTTPS inspection), or a redirect or server that points to a firewall or filter.

SITE	FROM YOUR DEVICE	FROM OUR TEST SERVER	DETAIL
Microsoft 365 (Outlook) (outlook.office.com)	Reached	Not tested	–
GOV.UK (www.gov.uk)	Reached	Not tested	–
HMRC online services (www.tax.service.gov.uk)	Reached	Not tested	–
Zoom (zoom.us)	Reached	Not tested	–
BBC (www.bbc.co.uk)	Reached	Not tested	–
Amazon (www.amazon.co.uk)	Reached	Not tested	–

Router

Reported by the device

Router	192.168.1.1 — 00:00:5E:00:53:01 (vendor unknown)

Voice (SIP)

Measured by our test server

To Port 5060 over IPv4

Request on arrival	Exactly as the device sent it
Arrived at our test server	Yes
Answer came back	Yes, in 12 ms
Sent from	192.168.1.20 port 52100
Arrived from	198.51.100.77 port 52100

To Port 5062 over IPv4

Request on arrival	Exactly as the device sent it

Arrived at our test server	Yes
Answer came back	Yes, in 12 ms
Sent from	`192.168.1.20 port 52100`
Arrived from	`198.51.100.77 port 52100`

IPv4 public port	The same (52100) for every server port
IPv4 local port kept	Yes

Phone Provisioning

SERVICE	RESULT	DETAIL	CERTIFICATE
Yealink RPS (redirection and provisioning) `rpscloud.yealink.com`	**Reached**	–	–
Yealink YMCS (device management) `dm.yealink.com`	**Reached**	–	–

Phones fetch their settings from these services over HTTPS. Yealink's redirection service (RPS) uses Yealink's own certificate authority, so a different root means a firewall is inspecting or replacing the connection, and phones will refuse it.

Local Network

Reported by the device

Wireless network adapter (in use)

Type	Wi-Fi
State	Connected
Link speed	866 Mbps
MTU	1,500 bytes
Addresses	`192.168.1.20/24, 2001:db8:77:1::1a2b/64`
Gateway	`192.168.1.1`
Router	192.168.1.1 — 00:00:5E:00:53:01 (vendor unknown)
DNS servers	`192.168.1.1`
Address from DHCP	Yes
DHCP server	`192.168.1.1`
Packets	1,843,221 in, 902,114 out
Errors	0 in, 0 out
Discards	12 in, 0 out
Counted over	2 days 4 hours

Wi-Fi

Reported by the device

Connected	Yes

Standard	802.11ax
Band	5 GHz
Channel	36, 80 MHz wide
Signal	88% (-51 dBm)
Noise	-92 dBm
Signal to noise	41 dB
Receive rate	1,201 Mbps
Transmit rate	1,201 Mbps
Security	WPA3-Personal

Network names and hardware addresses are not collected: neighbouring networks are reported only by channel, band and signal.

Ping

Reported by the device

TARGET	ADDRESS	RETURNED	AVERAGE	JITTER
Router	`192.168.1.1`	**20 of 20**	2.1 ms	0.6 ms
Public internet	`192.0.2.1`	**20 of 20**	6.6 ms	0.4 ms

Path MTU

Reported by the device

TARGET	FAMILY	LARGEST PACKET	RESULT
`check4.netavo.com`	IPv4	1,500 bytes	**Measured**
`check6.netavo.com`	IPv6	1,500 bytes	**Measured**

The largest packet the device could send with Don’t Fragment set.

Proxy and Hosts File

Reported by the device

System proxy	`direct`
Detect settings automatically	Yes
Hosts file entries	None

Device

Reported by the device

Checked with	Example Fibre Connection Check for macOS 1.1.0
Operating system	macOS 15.6
Browser or app	`ConnectionCheck/1.1.0 (macOS 15.6)`
Time zone	Europe/London

Device time	6 November 2026, 09:41 GMT

Example Fibre is a fictional ISP, used to illustrate a partner-branded report. · Support: support@example.net · 01632 960000