Home Wi-Fi Security Health-Check Tool

Tool · Test Your Network. Find What's Exposed. Fix It Today.

A diagnostic tool that walks you through testing your home Wi-Fi for common vulnerabilities. Run it once a quarter — every router upgrade, ISP change, or new household device should trigger a re-run.

Test 1 — Router Admin Access

- I can log into my router admin (usually 192.168.0.1 or 192.168.1.1).
- The admin password is NOT the default printed on the router or in the manual.
- The admin password is unique (not reused anywhere else).
- Two-factor admin access is enabled if my router supports it.

Test 2 — Wi-Fi Encryption

- Wi-Fi security is set to WPA3 (or WPA2-AES if WPA3 is unavailable).
- WEP is NOT in use. 'Mixed mode' (WEP + WPA) is NOT in use.
- Wi-Fi password is 16+ characters and unique.
- WPS is DISABLED.

Test 3 — Firmware & Updates

- Router firmware is on the latest version available from the manufacturer.
- Auto-updates are enabled if my router supports them.
- Router model is less than 5 years old (older routers stop receiving security patches).
- I know how to manually update firmware if needed.

Test 4 — Network Segmentation

- Guest Wi-Fi network is enabled with a separate password.
- Smart home / IoT devices are on the guest network.
- Phones / laptops / work devices stay on the main network.
- Guest network has 'guests can see each other' DISABLED.

Test 5 — Remote Access & Risky Features

- [ ] Remote management / cloud admin is DISABLED.
- [ ] UPnP is DISABLED (auto port-forwarding).
- [ ] Port forwarding rules are reviewed and minimal.
- [ ] DMZ host is NOT enabled.

Test 6 — DNS & Filtering

- [ ] DNS provider is privacy-respecting (NextDNS, Cloudflare 1.1.1.1, Quad9, or self-hosted Pi-hole).
- [ ] DNS over HTTPS (DoH) or DNS over TLS (DoT) is enabled if router supports it.
- [ ] Block list filters known-malicious domains, ad/tracker domains.
- [ ] (Optional) Adult-content filtering enabled for kids' devices via DNS profile.

Test 7 — Connected-Device Audit

Open your router's connected-devices list. Identify every device by name. Anything unrecognised?

1. Unrecognised device #1: _____ → action: _____
2. Unrecognised device #2: _____ → action: _____
3. Unrecognised device #3: _____ → action: _____

Score Your Network

Out of 28 checkboxes above, how many did you tick? ____ / 28

- **26-28:** Network is solid. Recheck in 90 days.
- **20-25:** A few gaps. Fix the unticked ones this weekend.
- **14-19:** Significant gaps. Treat this as your top weekend project.
- **Below 14:** Network is exposed. Fix the unticked ones today before resuming normal use.