NETWORK MONITORING TOOL

- **Instant Alerts** - Get notified by email the moment a connection drops, and again when it's back.
- **Multi-Network Ready** - Monitors several networks at once, side by side.
- **Speed You Can Trust** - Regular speed checks show whether you're getting the performance you pay for.
- **Clear Daily Reports** - A simple daily summary of your network's health, delivered to your inbox.



SPECIFICATIONS

Parameters	Values
Monitoring Interval	1 probe per second, per network
Probe Method	ICMP ping to 3 independent hosts in parallel
Probe Timeout	0.5 seconds
Metrics Recorded	Latency, uptime, packet loss
Networks Supported	Multiple Wi-Fi networks, with automatic adapter detection
Outage Alert Threshold	60 seconds of continuous failure (configurable)
Alert Channel	Email (SMTP over SSL)
Escalation	Reminders for ongoing outages at 30 minutes and 2 hours
Automatic Recovery	Reconnect attempt after 90 seconds offline
Throughput Testing	Every 30 minutes per network (25 MB download, 10 MB upload)
Reports	Automated daily email report; on-demand reports
Data Retention	30 days on-device, 90 days cloud (configurable)
Cloud Sync	Every 60 seconds, encrypted (TLS)
Offline Operation	Yes - monitoring continues during internet outages
Platform	Raspberry Pi-based edge device, Linux
Startup	Automatic on power-up, runs headless