

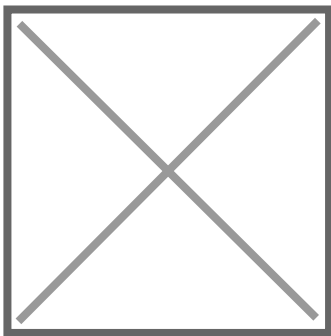
# Network Testing

## Network Testing

1. Download the Fing app on IOS or Google Play Store

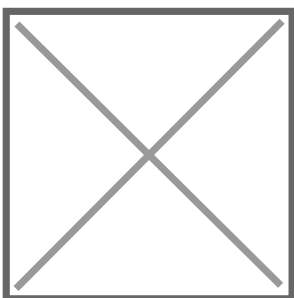
<https://www.fing.com/fing-app/>

2. Connect your mobile device to the outlet network and turn off mobile data.
3. Complete the initial setup (you can skip unnecessary steps) and go to the homepage.

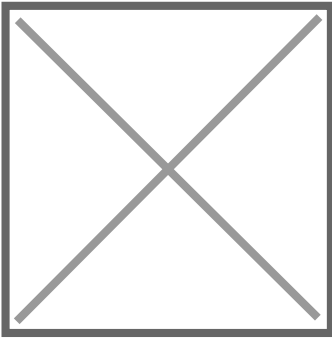


4. Tap "**Tools**" at the bottom of the screen.

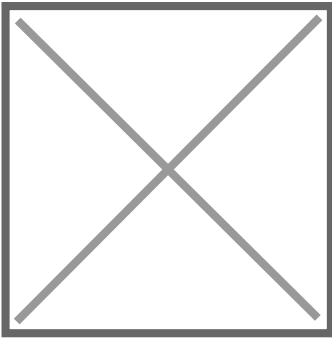
5. Select "**Run speed test**" and wait for the test to complete.



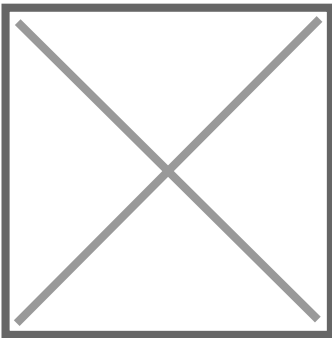
6. Take a screenshot of the result example below.



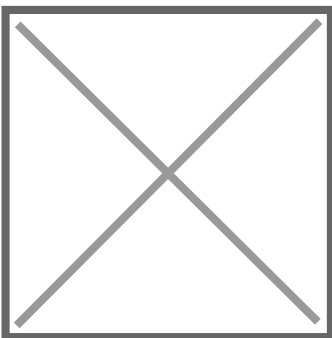
7.
  - Return to the **Tools** page.
  - Scroll down to find the **Ping** tool.



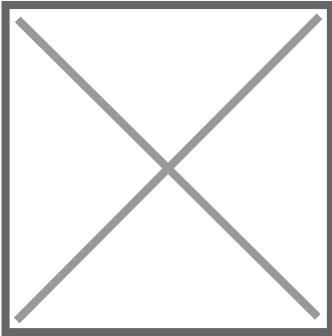
8.
  - Tap the **Ping** tool.
  - Enter "**mqtt.antlisis.com**" in the text box.
  - Tap **Ping** to start the test.



9. Take a screenshot of the result.



10.
  - Return to the **Ping** tool page.
  - Under **Popular Targets**, select **google.com** to run a baseline test.
11. Take a screenshot of the result.



## Minimum Network Requirements

- **Download Speed:** 10 Mbps
- **Upload Speed:** 10 Mbps
- **Average Server Ping:** 150ms
- **Server Packet Loss:** 10%

## Network Logging Device

If connectivity issues persist, a **network logging device** may be needed to monitor the network. This device:

- Connects to a **LAN port** on the router.
- Requires a **separate power supply**.
- Continuously measures **speed, latency, and bandwidth**.
- Uploads data to our server for monitoring.

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Revision #5

Created 3 January 2025 08:52:30 by Khayhen

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