# Wireless Penetration Testing Overview

# What is a Wireless Penetration Test?

## Assessment of wireless network

WPA2 PSK

WPA2 Enterprise

## Activities performed

Evaluating strength of PSK

Reviewing nearby networks

Assessing guest networks

Checking network access

# Tools Being Used

| | Wireless Card | Alfa AWUD036NH |
| --- | --- | --- |
| | Router | tp-link AC2300 Wireless |
| | Laptop | |

https://www.wirelesshack.org/best-kali-linux-compatible-usb-adapter-dongles.html

# Best Kali Linux Compatible USB Adapter / Dongles

By **WirelesSHack** | November 7, 2019                    118 Comments



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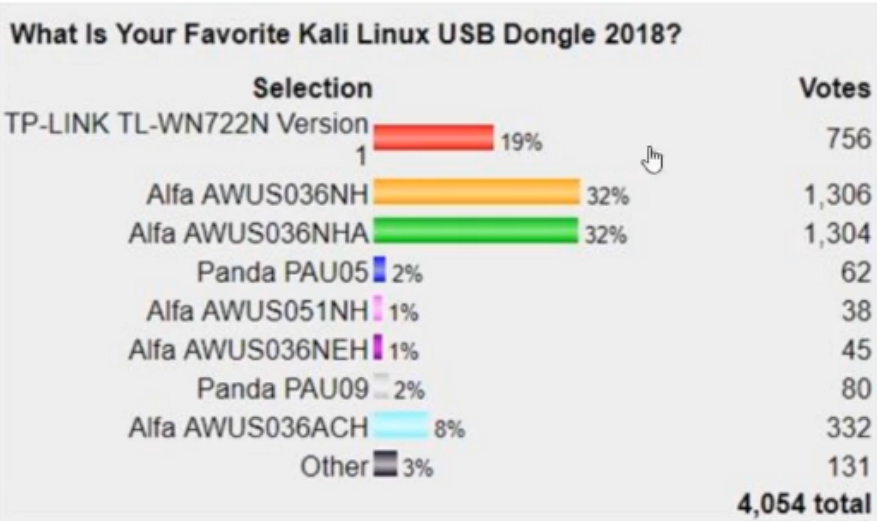
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Anyone who wants to test a WiFi signals security will need a few tools, with a compatible USB adapter being the most important.

https://www.wirelesshack.org/wp-content/uploads/2016/03/Best-Kali-Linux-Compatible-USB-Adapter-Dongles-2016.jpg

Below is a list of the most popular USB adapters that work with Kali or Backtrack.

They also will work with most any Linux Distro that requires a wireless card to go into monitor mode.

To see which USB dongles are used the most we had a poll, here are the results.

**What Is Your Favorite Kali Linux USB Dongle 2018?**

| Selection | | Votes |
|---|---|---|
| TP-LINK TL-WN722N Version 1 | 19% | 756 |
| Alfa AWUS036NH | 32% | 1,306 |
| Alfa AWUS036NHA | 32% | 1,304 |
| Panda PAU05 | 2% | 62 |
| Alfa AWUS051NH | 1% | 38 |
| Alfa AWUS036NEH | 1% | 45 |
| Panda PAU09 | 2% | 80 |
| Alfa AWUS036ACH | 8% | 332 |
| Other | 3% | 131 |
| | **4,054 total** | |

*Don't forget to take the new Poll at the bottom of the page for your favorite Kali Linux USB adapter of 2019.*

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# The Hacking Process (WPA2 PSK)

| Place | Discover | Select | Perform | Capture | Attempt |
|---|---|---|---|---|---|
| Place wireless card into monitor mode | Discover information about network <br>• Channel <br>• BSSID | Select network and capture data | Perform deauth attack | Capture WPA handshake | Attempt to crack the handshake |