



## QUICK START GUIDE



Access from anywhere online.  
Free download at <https://c2.hak5.org>



 Full documentation at <https://docs.hak5.org>

## Support

Thank you for purchasing this Hak5 product. You can visit <https://support.hak5.org> to get help, access the latest downloads and user manual, and join our community.

## Conformity

For the current EU Declaration of Conformity, visit <https://hak5.org/conformity>

## Trademarks

© Hak5 LLC, WiFi Pineapple, the WiFi Pineapple Logo, Hak5 and the Hak5 Logo are trademarks of Hak5 LLC. Any non-Hak5 trademarks are used for reference purposes only.

## Statement of Conditions

This product contains software under GPL license agreement. The product displayed on the packaging is for illustrative purposes only and may differ from the actual product. This product is packaged with a limited warranty, the acceptance of which is a condition of sale. Product warranty does not cover any data stored on the device. Please see <https://hak5.org> website for additional warranty details and limitations. A certain portion of the storage capacity may be reserved for firmware and maintenance use. Availability and performance of certain features, services and applications are device and network dependent and may not be available in all areas; additional terms, conditions and/or charges may apply. All features, functionality and other product specifications are subject to change without notice or obligation. HAK5 LLC reserves the right to make changes to the products description in this document without notice. HAK5 LLC does not assume any liability that may occur due to the use or application of the product(s) described herein.

The WiFi Pineapple is a network administration and pentesting tool for authorized auditing and security analysis purposes only where permitted subject to local and international laws where applicable. Users are solely responsible for compliance with all laws of their locality. Hak5 LLC and affiliates claim no responsibility for unauthorized or unlawful use.

Made in China. Designed in San Francisco, California, USA.

## Safety Information and Warnings

Your device may get hot to the touch; this is normal. Unplug the device and let it cool before removing it. This device complies with applicable surface temperature standards and limits defined by the International Standard for Safety (IEC 60950-1). Still, sustained contact with warm surfaces for long periods of time may cause discomfort or injury. Keep the device in a well-ventilated area when in use. Allow for adequate air circulation under and around the device. Do not expose the device to water or extreme conditions (moisture, heat, cold, dust), as the device may malfunction or cease to work when exposed to such elements. Do not attempt to disassemble or repair the device yourself. Doing so voids the limited warranty and could harm you or the device. This device is not designed, manufactured or intended for use in hazardous environments requiring fail-safe performance in which the failure of the device could lead directly to death, personal injury, or severe physical or environmental damage.

## Factory Settings

LOGIN URL: <http://172.16.42.1:1471>

## Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Warning ( Part 15.21 ) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. RF Exposure ( OET Bulletin 65 ) To comply with FCC RF exposure requirements for mobile transmitting devices, this transmitter should only be used or installed at locations where there is at least 20cm separation distance between the antenna and all persons. Information to the User - Part 15.105 (b) Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. • Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help.

## Specifications

INTERFACE: (4) WiFi, (1) USB 3.0, (1) USB-C Ethernet

STANDARDS: USB 3.0, IEEE 802.3ab, IEEE 802.11a/b/g/n/ac

DIMENSIONS: 245 x 160 x 40 mm

FREQUENCY RANGE: 2.412 ~ 2.4835 GHz, 5.150 ~ 5.835 GHz

POWER ADAPTER: North America: 110V, 60 Hz input

WEIGHT: 3.1 lb (1406 g)

OPERATING TEMPERATURE: 0° ~ 40°C (32° ~ 104°F)

STORAGE TEMPERATURE: -20°C ~ 50°C

RELATIVE HUMIDITY: 0% to 90% (noncondensing)

DATA AND ROUTING PROTOCOLS: TCP/IP, DNS, DHCP, SSH, NTP

LAN: Compatible with 10BASE-T, 100BASE-TX, 1000BASE-T, or RJ-45

WAN: Compatible with 10BASE-T, 100BASE-TX, 1000BASE-T, or RJ-45

WIRELESS: Maximum WiFi signal rate complies with the IEEE 802.11 standard.<sup>†</sup>

RADIO DATA RATES: Auto Rate Sensing

DATA ENCODING STANDARDS: IEEE 802.11b/g/n 2.4 GHz, IEEE 802.11a/n/ac 5 GHz<sup>†</sup>

MAXIMUM NODES PER WIRELESS NETWORK: Limited by the amount of WiFi network traffic generated (typically 50–70 nodes).

<sup>†</sup>Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual throughput can vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

<sup>†</sup>Hak5 LLC makes no express or implied representations or warranties about this product's compatibility with any future standards.

## In the Box



WiFi Pineapple



(8) Antennas

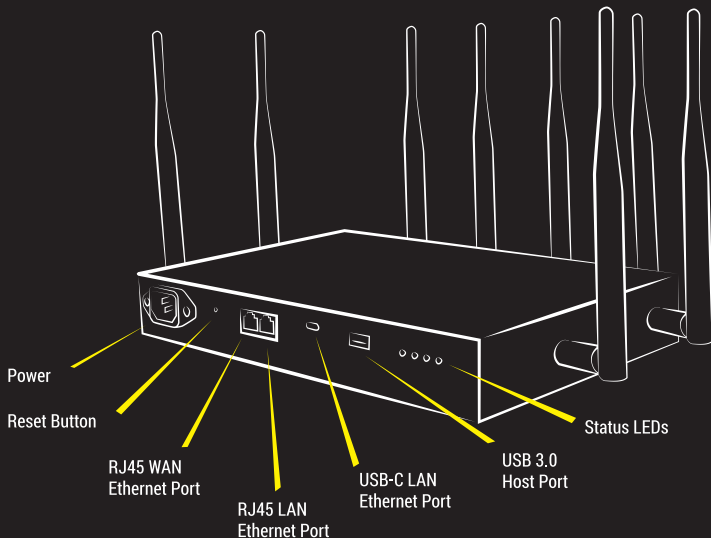


Power Cable



This Booklet

## Hardware Overview



## Setup Instructions

Connect each of the eight (8) RP-SMA antennas to the WiFi Pineapple, making sure not to overtighten. Next, connect the power cable to the WiFi Pineapple and plug the cable into an outlet.

## Software Installation via WiFi

Using a computer or smartphone, connect to the WiFi Pineapple's open wireless network, named "Pineapple\_XXXX" (where XXXX are the last 4 characters of the device's MAC address). Once connected to the wireless network, open a web browser to <http://172.16.42.1:1471> and follow the on-screen instructions. The setup wizard will prompt you to connect the WiFi Pineapple to a wireless network, from which it will download and install the latest version of the WiFi Pineapple software. This process typically takes about 10 minutes—during which time it is important to keep the device plugged in and powered on.

## Software Installation via Ethernet

If your network provides Internet access by DHCP, the WiFi Pineapple may automatically obtain an IP address and Internet access from your network by attaching it to the WiFi Pineapple's WAN port with an Ethernet cable (not included). With the WiFi Pineapple connected to the Internet via your network, connect your computer to the WiFi Pineapple's network. This may be done either by using an Ethernet cable connected between your computer and the WiFi Pineapple's RJ45 LAN Ethernet port, or by using a USB cable connected between your computer and the WiFi Pineapple's USB-C LAN Ethernet port. If using the USB-C port, your computer may require driver installation for the ASIX AX88772C USB Ethernet adapter (see <https://docs.hak5.org> for download). With your computer connected to the WiFi Pineapple LAN, open a web browser to <http://172.16.42.1:1471> and follow the on-screen instructions.

## Software Installation via USB Flash Disk (unattended/headless setup)

The WiFi Pineapple may be provisioned "headless"—meaning without interactive attention. This method allows you to install firmware with the settings of your choice, including Cloud C<sup>2</sup> provisioning, without connecting it to a computer or smartphone—useful for mass-deployments. See the full setup guide for USB Flash Disk provisioning from <https://docs.hak5.org>



© Hak5 LLC.

## **FCC Statement**

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **Radiation Exposure Statement**

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.