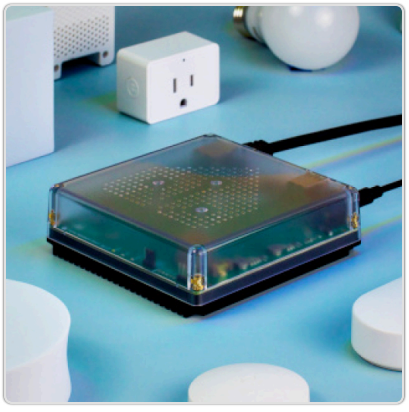
Installation

The first step to getting started with Home Assistant is to install it on a device. There are many ways to run it for all kinds of scenarios and all kinds of skill levels.

EASIEST

Plug and play with Home Assistant Green

The affordable Home Assistant Green is the easiest way to start using Home Assistant. It's plug-and-play and comes with Home Assistant Operating System already installed.



HOME ASSISTANT GREEN

The easiest way to get started with Home Assistant

SKILLS REQUIRED

- Interest in setting up a smart home

TOOLS REQUIRED

- Ethernet connection

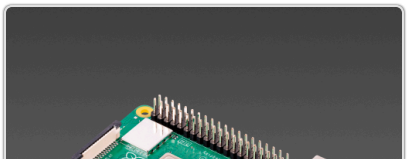
Get Home Assistant Green

View tutorial >

EASY

DIY with Raspberry Pi

Raspberry Pi, a mini low-cost computer, is one of the most popular platforms for running Home Assistant. If you want to learn how to DIY, this is a good way to start and gain experience.

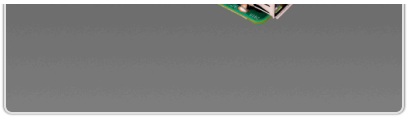


INSTALL HOME ASSISTANT ON RASPBERRY PI

A low-cost DIY solution to get started with Home Assistant

SKILLS REQUIRED

TOOLS REQUIRED



- Ethernet connection

Get Raspberry Pi

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About installation types

Home Assistant offers two different installation types. Home Assistant Operating System is the recommended installation type.

- **Home Assistant Operating System**: An embedded, minimalistic operating system designed to run the Home Assistant ecosystem on single board computers (like the Home Assistant Green or a Raspberry Pi) or Virtual Machines. It is the most convenient option in terms of installation and maintenance and it supports add-ons. Home Assistant Operating System is the recommended installation type for most users.
- **Home Assistant Container:** Container-based installation of Home Assistant. You need to bring your own system (such as Linux) with container orchestration (like Docker), and manually handle updates. Home Assistant Container installations don't have access to add-ons.
  - **Note**: Some integrations, such as **Thread** and **Z-Wave**, are controlled by add-ons. There is no out-of-the-box support for these on Container installations.

	HA OS[1]	Container[1]
Automations	✓	✓
Dashboards	✓	✓
Integrations	✓	✓
Add-ons	✓	✗
Blueprints	✓	✓

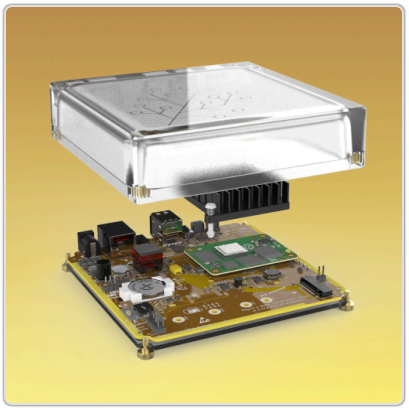
Backups	✓	✓

1: Names are abbreviated. The full names of the installation types are:
- Home Assistant Operating System
- Home Assistant Container

INTERMEDIATE

Extend with Home Assistant Yellow

The extensible Home Assistant Yellow comes with all the ingredients you need to help you build a robust smart home. All you need to do is to bring your own Raspberry Pi Compute Module.



HOME ASSISTANT YELLOW

The powerful way to run Home Assistant

SKILLS REQUIRED

- You're comfortable following instructions on:
- Installing a compute module and a heat sink
- Flashing a Raspberry Pi

TOOLS REQUIRED

- Raspberry Pi Compute Module 4
- Ethernet connection
- USB storage drive
- Screwdriver

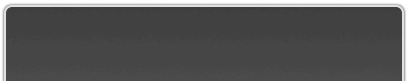
Get Home Assistant Yellow

View tutorial >

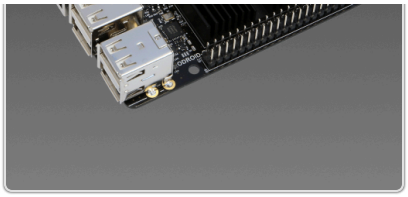
HARD

Install on other hardware

Home Assistant can be repurposed and installed on various hardware, such as an Odroid or a generic x86-64 machine. The Home Assistant Operating System allows you to install Home Assistant on these devices even if you have little to no Linux experience.



INSTALL HOME ASSISTANT ON ODROID



- You're comfortable following instructions on:
- Writing boot images
- Installing an SD card or eMMC

- An Odroid device
- MicroSD card or eMMC
- Ethernet connection

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INSTALL HOME ASSISTANT ON X86-64 MACHINES

Repurpose workstation hardware to run Home Assistant

SKILLS REQUIRED

- You can use a command line and install a boot medium on your hardware
- You're comfortable configuring the BIOS based on instructions.

TOOLS REQUIRED

- An x86-64 machine
- Storage hard drive
- USB stick
- Ethernet connection

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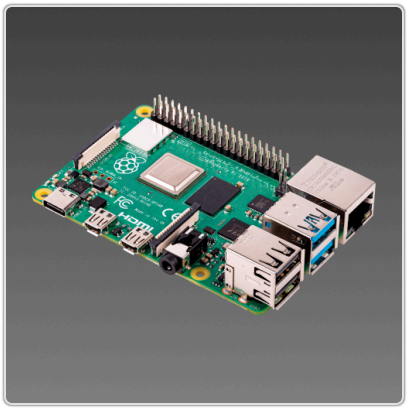
EXPERT



INSTALL HOME ASSISTANT VARIANTS ON RASPBERRY PI

A low-cost DIY solution to get started with Home Assistant

SKILLS REQUIRED

- Assembling a Raspberry Pi setup
- Flashing a Raspberry Pi
- Advanced knowledge of Linux
- Using Linux command line

TOOLS REQUIRED

- Raspberry Pi 3, 4 or 5 with power supply
- MicroSD card
- Ethernet connection

Get Raspberry Pi

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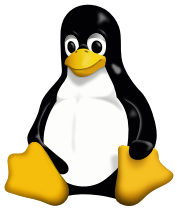

INSTALL HOME ASSISTANT ON LINUX

Use Home Assistant OS, Container

SKILLS REQUIRED

- Advanced knowledge of Linux
- Using Linux command line
- Using Docker Compose (for HA Container)

TOOLS REQUIRED

- Machine with Linux installed

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INSTALL HOME ASSISTANT ON MACOS

Use Home Assistant OS on a VM

SKILLS REQUIRED

- Advanced knowledge of macOS
- Using macOS command line

TOOLS REQUIRED

- Machine with macOS installed

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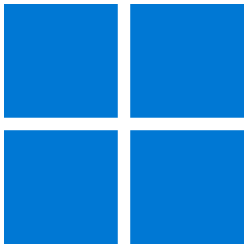

INSTALL HOME ASSISTANT ON WINDOWS

Use Home Assistant OS on a VM

SKILLS REQUIRED

- Know how to find an IP address on your router
- Advanced knowledge of Windows
- Using Linux command line

TOOLS REQUIRED

- Machine with Windows installed
- VirtualBox (for VM)

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INSTALL HOME ASSISTANT ON OTHER SYSTEMS

- Know how to find an IP address on your router
- Advanced knowledge of Windows
- Using Linux command line
- Machine with Windows installed
- VirtualBox (for VM)

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GETTING STARTED

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Home Assistant

Home Assistant is a project from the Open Home Foundation, sponsored by Nabu Casa.

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For partnership inquiries please check out Works With Home Assistant. For media, get in touch here. For other

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