Manuals+ — User Manuals Simplified.

KHADAS VIM3 Pro Single Board Computer Installation Guide

KHADAS VIM3 Pro Single Board Computer
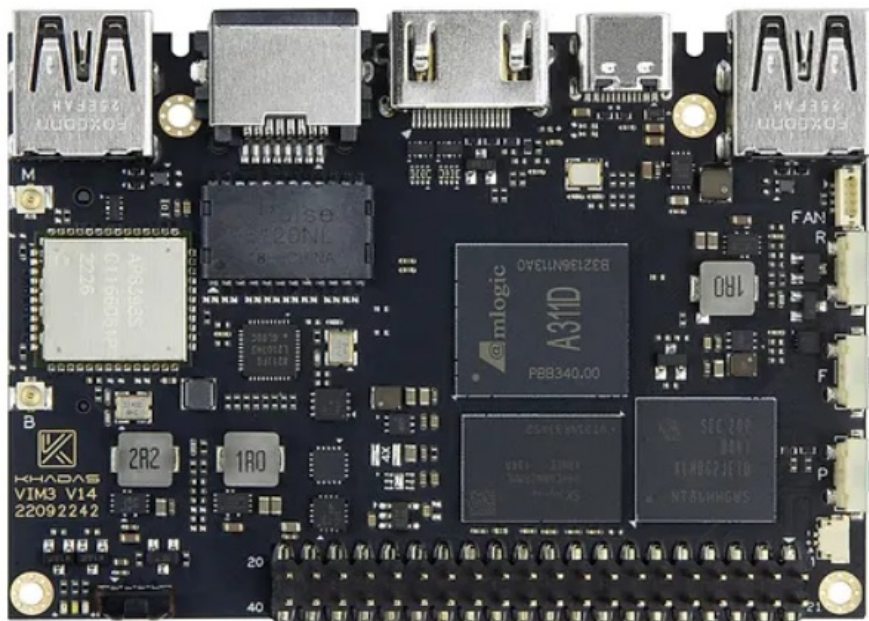
**Contents**

Home Assistant OS Installation Guide

- **Step 1: Download the OOWOW image for VIM3**
  We only need the SD card for the installation process; once the installation is complete, we won't need the SD

card anymore.

- **Step 2: Use Balena to flash OOWOW to the SD card**

  After downloading the linked file to your desktop, use the commonly used Balena Etcher software to flash OOWOW to the SD card.
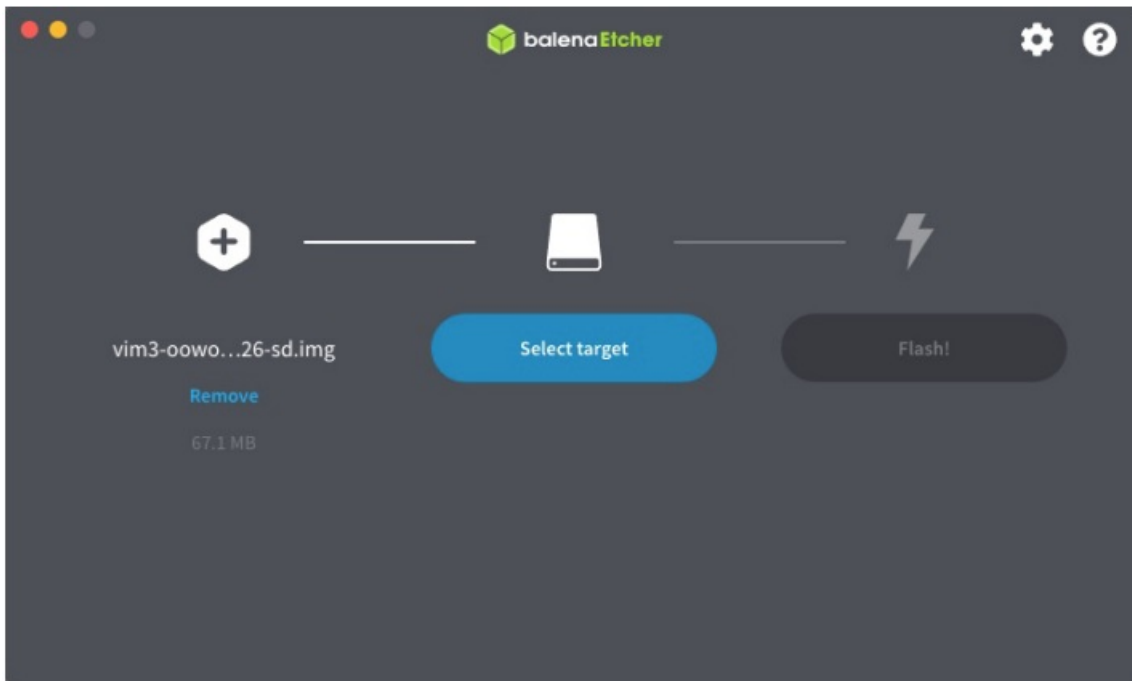
- **Step 3: Start VIM3 from the SD card**

  Now insert the SD card into the VIM3 slot, connect VIM3 to the power supply, display, and keyboard, then power it on.

- **Step 4: OOWOW will start automatically**

  VIM3 will boot into OOWOW automatically, and the OOWOW Wizard will appear on the screen.
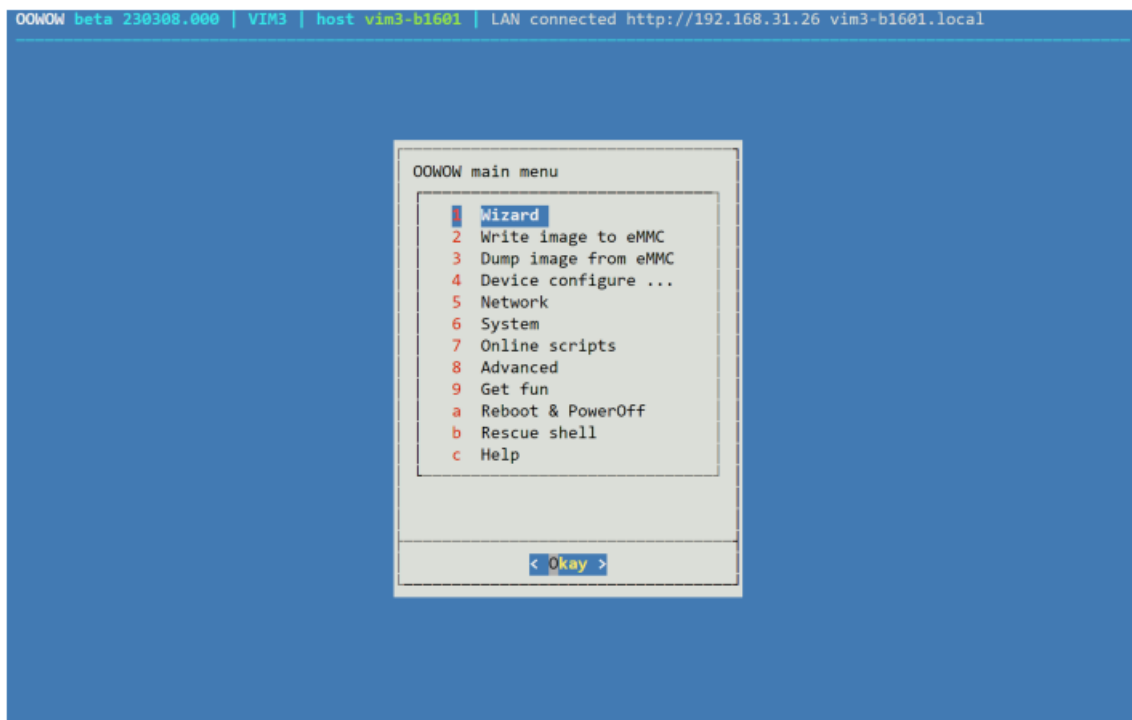
- **Step 5: Select the Home Assistant image for burning**

  Follow the prompts from the OOWOW Wizard to connect to the network.

  Then, on the OOWOW image selection screen, choose HA OS.

```
                          ─────────OOWOW Wizard: downloads─────────
Select installation image
  ┌────────────────────────────────────────────────────────────────────────┐
  │   1    .Refresh.Images.list                                             │
  │   2    khadas-uboot-mainline.emmc.kresq                    0 Sep 28 2022│
  │   3    vim3-android-9-64bit-v230130.raw.img.xz             0 Mar  1 04:38│
  │   4    vim3-coreelec-19.5-matrix.emmc.kresq                0 Jan 31 05:02│
  │   5    vim3-coreelec-20.0-nexus.emmc.kresq                 0 Jan 31 04:59│
  │        vim3-haos-7.6.img.gz                                0 Jan 31 06:37│
  │   7    vim3-lakka-4.3-aarch64-official-repack.img.xz       0 Jan 26 04:43│
  │   8    vim3-ubuntu-20.04-gnome-linux-4.9-fenix-1.4-221229-emmc.raw.img.xz   0 Dec 29 2022│
  │   9    vim3-ubuntu-20.04-gnome-linux-4.9-fenix-1.4-221229.img.xz   0 Dec 29 2022│
  │  10    vim3-ubuntu-20.04-gnome-linux-4.9-fenix-1.5-230425-emmc.raw.img.xz   0 Apr 25 08:44│
  │  11    vim3-ubuntu-20.04-gnome-linux-4.9-fenix-1.5-230425.img.xz   0 Apr 25 09:04│
  │  12    vim3-ubuntu-20.04-server-linux-4.9-fenix-1.4-221229-emmc.raw.img.xz   0 Dec 29 2022│
  │  13    vim3-ubuntu-20.04-server-linux-4.9-fenix-1.4-221229.img.xz   0 Dec 29 2022│
  │  14    vim3-ubuntu-20.04-server-linux-4.9-fenix-1.5-230425-emmc.raw.img.xz   0 Apr 25 08:03│
  │  15    vim3-ubuntu-20.04-server-linux-4.9-fenix-1.5-230425.img.xz   0 Apr 25 08:53│
  │  16    vim3-ubuntu-22.04-gnome-linux-6.1-fenix-1.4-221229.img.xz   0 Dec 29 2022│
  └─↓(+)──────────────────────────────────────────────────────────────84%──┘

              < Okay >                       <Cancel>
```
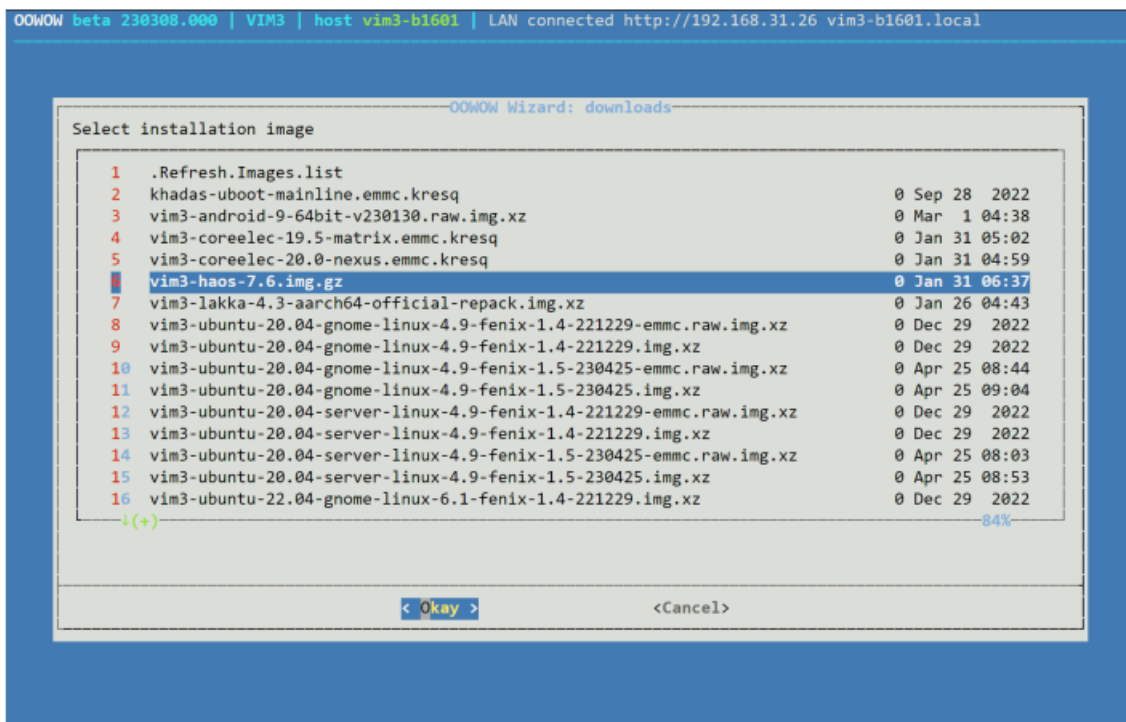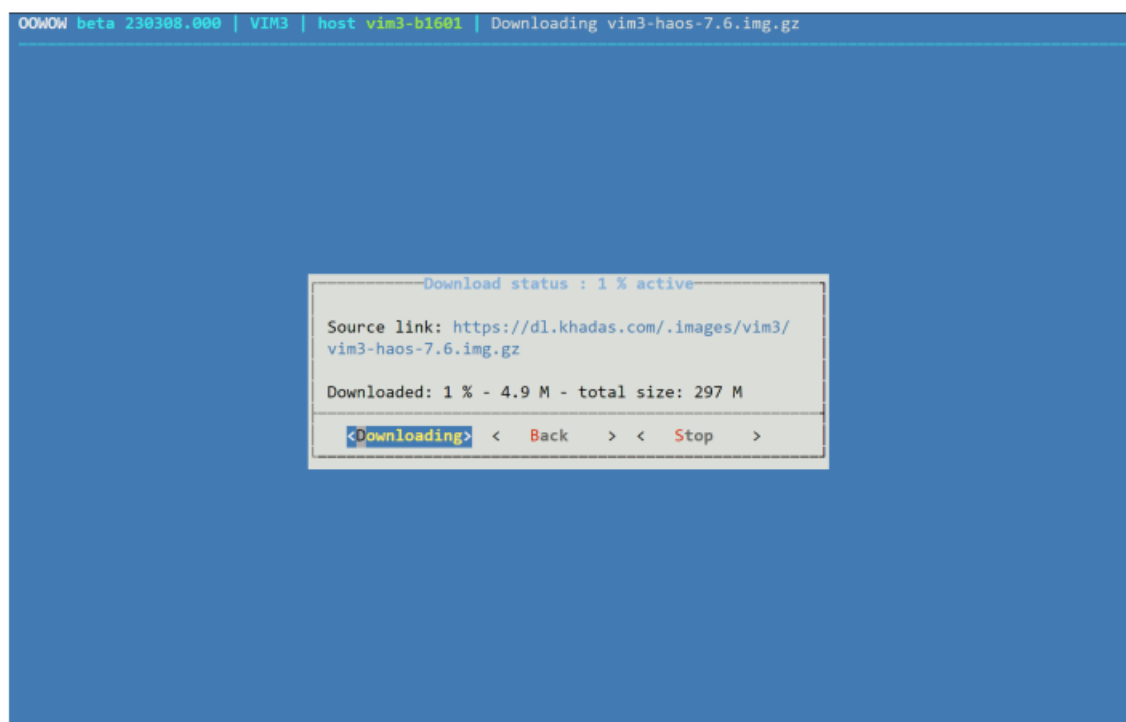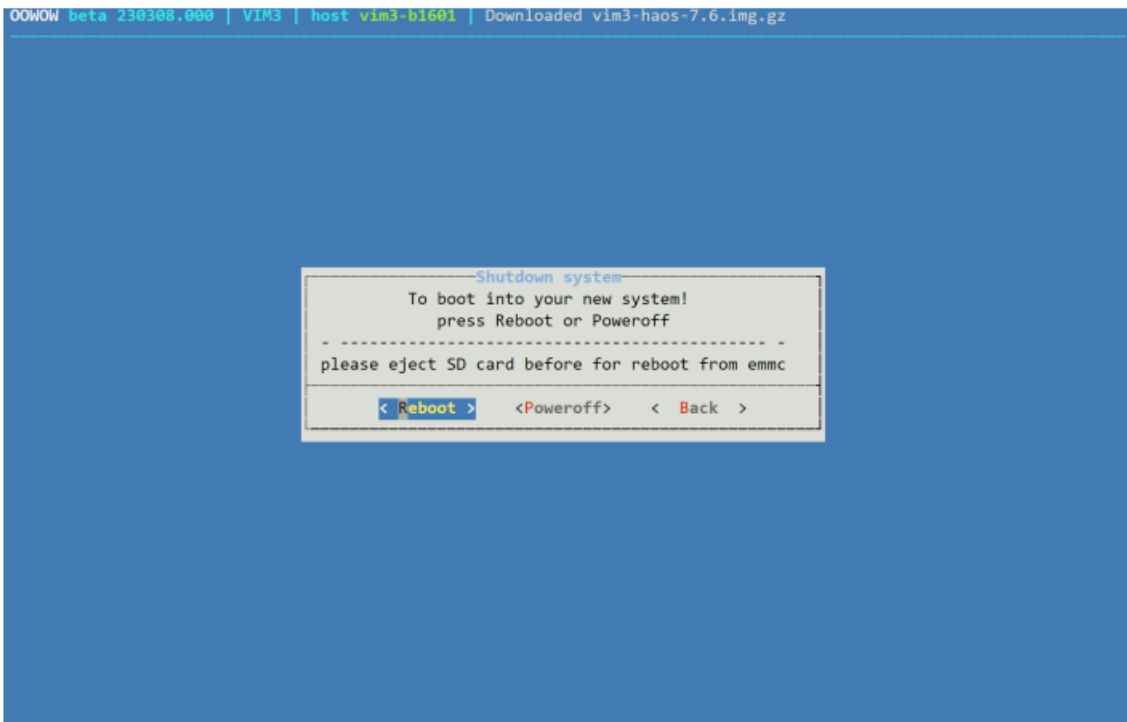
- **Step 6: Begin the download and wait a few seconds**

  Download the official Khadas HA OS image.

```
        ─────────Download status : 1 % active─────────
       │                                              │
       │ Source link: https://dl.khadas.com/.images/vim3/│
       │ vim3-haos-7.6.img.gz                         │
       │                                              │
       │ Downloaded: 1 % - 4.9 M - total size: 297 M  │
       │ <Downloading>   <    Back    >  <   Stop    > │
        ──────────────────────────────────────────────
```
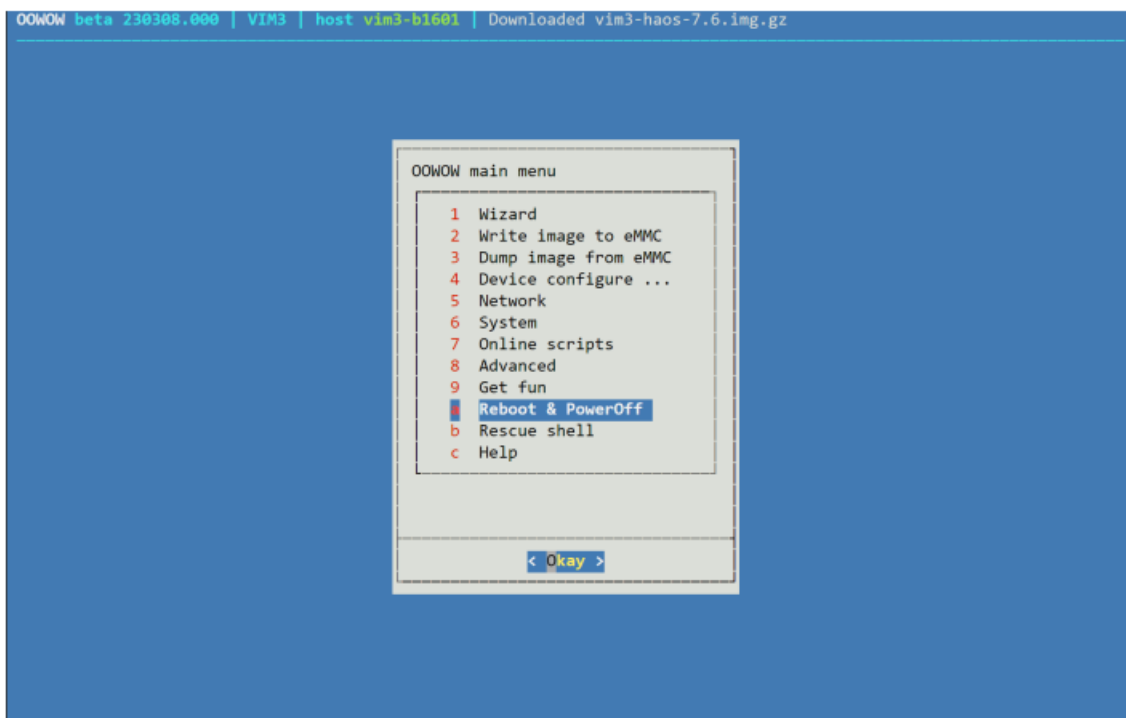
- **Step 7: Write HA OS to VIM3's eMMC storage.**

  Now that the download is complete, the image needs to be written to VIM3's eMMC. Click "write."

```
                        ─Shutdown system─
                  To boot into your new system!
                    press Reboot or Poweroff
   ─ ─────────────────────────────────────────── ─
   please eject SD card before for reboot from emmc

         < Reboot >    <Poweroff>    <  Back  >
```

- **Step 8: Restart VIM to complete the installation**

  HA OS has been written to VIM3's eMMC. Go back to the OOWOW menu

```
   OOWOW main menu

        1  Wizard
        2  Write image to eMMC
        3  Dump image from eMMC
        4  Device configure ...
        5  Network
        6  System
        7  Online scripts
        8  Advanced
        9  Get fun
        ▌  Reboot & PowerOff
        b  Rescue shell
        c  Help


              < Okay >
```
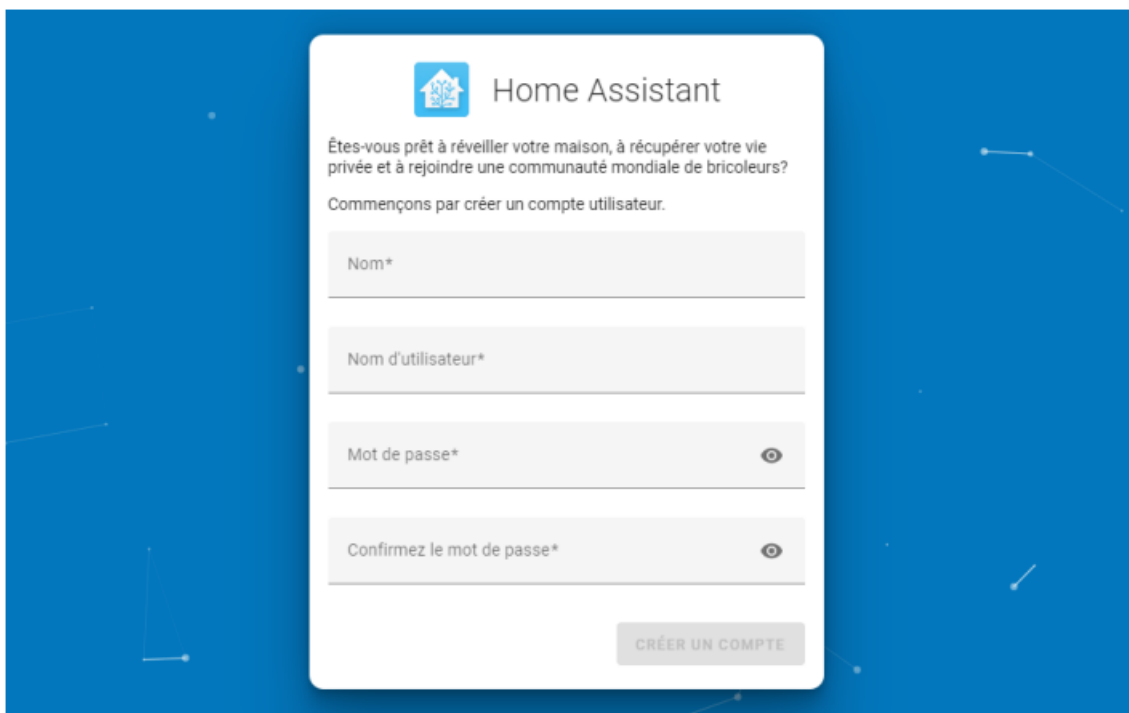
- **Step 9: Upon restart, VIM3 will automatically boot into the Home Assistant operating system.**

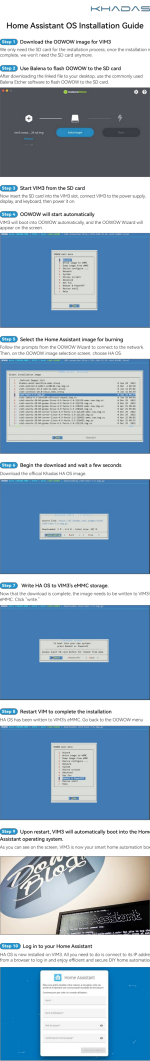 As you can see on the screen, VIM3 is now your smart home automation box.

- **Step 10: Log in to your Home Assistant**

HA OS is now installed on VIM3. All you need to do is connect to its IP address from a browser to log in and enjoy efficient and secure DIY home automation!

Documents / Resources

[KHADAS VIM3 Pro Single Board Computer](#) [pdf] Installation Guide
VIM3 Pro, VIM3 Pro Single Board Computer, Single Board Computer, Board Computer, Computer

References

- **[User Manual](#)**