



## 1 The procedure to install eSim in Ubuntu Linux 16.04 or 18.04 or 20.04 LTS (64-bit machines)

### 1.1 Getting ready for eSim installation

1. To follow the installation procedure, you need to be connected to the Internet
2. Following system requirements should be met:
  - i. Linux: 64-bit x86 Ubuntu 16.04/18.04/20.04 LTS
  - ii. At least 4GB disk space should be available
  - iii. Minimum of 2GB RAM
  - iv. 2 GHz dual-core processor or above
3. Please note: A text editor ( for example: Gedit/Vim) is required to view and edit certain files.

### 1.2 Installing eSim on your machine

1. Go to <https://esim.fossee.in/downloads>
2. Now from the section eSim 2.1 go to Installers. To download and save the file, click on the zip file eSim-2.1.zip under Ubuntu 16.04 and above LTS versions section
3. Locate the downloaded file on your computer. It will be in the Downloads folder ideally
4. Open a terminal by pressing **Ctrl+Alt+T** keys
5. Change the directory using **cd** command to the location where the downloaded eSim-2.1.zip file is kept. For example, **cd Downloads**
6. Unzip the file by typing **unzip eSim-2.1.zip** and press **Enter** key
7. Change the directory to eSim-2.1 using the **cd** command by typing **cd eSim-2.1**
8. Type the following commands and press **Enter** after typing each command:
  - a. **chmod +x install-eSim.sh**
  - b. **./install-eSim.sh --install**Note: On Ubuntu 16.04 LTS, in case you are facing difficulties, please use the command **sudo ./install-eSim.sh --install**
9. If prompted, type the admin password and press **Enter**
10. You may get the following prompt: **Is your internet behind proxy? (y/n)**  
If you are behind a network proxy, you should type **y** and enter the details to continue.  
If not, then type **n** to continue
11. eSim will be installed on your computer and a shortcut icon will appear on your Desktop

## 2 The procedure to install eSim in Windows 10 (64-bit)

### 2.1 Getting ready for eSim installation

1. To follow the installation procedure, you need to be connected to the Internet
2. Following system requirements should be met:
  - i. Windows 10: 64-bit
  - ii. At least 4GB free space should be available in your C:/ Drive
  - iii. Minimum of 2GB RAM
  - iv. 2 GHz dual-core processor or above

3. Disable any anti-virus running on your system (e.g., Norton, Kaspersky, AVG, Avast etc.)
4. Please note: Notepad++ is required to view and edit certain files

## 2.2 Installing eSim on your machine

1. Go to <https://esim.fossee.in/downloads>
2. Under the section **eSim 2.1** go to the subsection **Installers** . To start the download, click on the zip file **eSim-2.1\_install.exe** form the **Windows 7 and about(64 bit PC)** section
3. Locate the file on your computer. It will be in the **Downloads** folder ideally
4. Open the location where this file is downloaded and double click on **eSim-2.1\_install.exe**
5. If a pop-up window appears asking, "Do you want to allow the following program from an unknown publisher to make changes to this computer?", click **Yes** to continue
6. In the **License Agreement** window, select the **I Agree** option
7. In the **Choose Install Location** window, click on **Next**
8. In the **Choose Start Menu Folder** window, click on **Install**
9. A progress bar will appear; once it reaches 100%, **Installation Complete** message will be displayed at the top of the eSim setup window. Click on **Close**.
10. eSim shortcut icon will be visible on your Desktop

## 3 Procedure to check eSim installation

1. Double click on the **eSim** icon on your Desktop and wait till an interface appears.  
Please do not close the terminal while using eSim because it will close eSim as well
2. Click on the **Open Project** button from the top-left corner of eSim interface.  
Windows OS users: go to the location **C:/FOSSEE/eSim/Examples/**and select **Halfwave\_Rectifier**  
Ubuntu Linux OS users: go to **~/Downloads/eSim-2.1/Examples/** and choose **Halfwave\_Rectifier**
3. Double click on the project's name from the project explorer window and click the **Open Schematic** button from the left-most toolbar. A schematic window will appear
4. On the eSim interface, for the same **Halfwave\_Rectifier** project click on **Simulation** button from the left-most toolbar. The output plots will be displayed. This indicates that the installation is successful.