

Silicon Motion Drivers on Ubuntu

Installation

Note: *X = driver file version.*

Note: *Screenshots are provided as examples only; terminal output may vary*

1. Open a terminal window to the directory that contains the **SMIUSBDisplay-driver.x.xx.x.x.run** file.
2. Change the file permissions to make it executable:
sudo ./chmod +x SMIUSBDisplay-driver.x.xx.x.x.run

```
testlab@testlab: ~/Downloads/SMI-USB-Display-for-Linux-v2.20.0.0
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

testlab@testlab:~/Downloads/SMI-USB-Display-for-Linux-v2.20.0.0$ sudo chmod +x SMIUSBDisplay-driver.2.20.0.0.run
[sudo] password for testlab:
testlab@testlab:~/Downloads/SMI-USB-Display-for-Linux-v2.20.0.0$
```

3. Start the **installer** with **administrative privileges**:
sudo ./SMIUSBDisplay-driver.x.xx.x.x.run

```
testlab@testlab: ~/Downloads/SMI-USB-Display-for-Linux-v2.20.0.0
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

testlab@testlab:~/Downloads/SMI-USB-Display-for-Linux-v2.20.0.0$ sudo ./SMIUSBDisplay-driver.2.20.0.0.run
Verifying archive integrity... 100% MD5 checksums are OK. All good.
Uncompressing SMIUSBDisplay-driver.2.20.0.0.run 100%
Silicon Motion Linux USB Display software 2.20.0.0 Install script called:
Distribution discovered: No LSB modules are available.
Ubuntu 24.04 LTS
[ Installing dependencies ]

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

Reading package lists...
Building dependency tree...
Reading state information...
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bzip2
  dpkg-dev fakeroot g++ g++-13 g++-13-x86-64-linux-gnu g++-x86-64-linux-gnu
  gcc gcc-13 gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu
  libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl
  libasan8 libbinutils libbctf-nobfd0 libctf0 libdpkg-perl libfakeroot
  libfile-fcntllock-perl libgcc-13-dev libgprofng0 libhasan0 libitm1 liblsan0
  libpaccess-dev libquadmath0 libstdc++-13-dev libtsan2 libubsan1
  lto-disabled-list make
Suggested packages:
  binutils-doc gprofng-gui bzip2-doc menu debian-keyring g++-multilib
  g++-13-multilib gcc-13-doc gcc-multilib autoconf automake libtool flex bison
  gcc-doc gcc-13-multilib gcc-13-locales gdb-x86-64-linux-gnu git bzr
  libstdc++-13-doc make-doc
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bzip2
  dpkg-dev fakeroot g++ g++-13 g++-13-x86-64-linux-gnu gcc gcc-13
  gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu
  libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl
  libasan8 libbinutils libbctf-nobfd0 libctf0 libdpkg-perl libdrm-dev
  libfakeroot libfile-fcntllock-perl libgcc-13-dev libgprofng0 libhasan0
  libitm1 liblsan0 libpaccess-dev libquadmath0 libstdc++-13-dev
  libtsan2 libubsan1 lto-disabled-list make
0 upgraded, 41 newly installed, 0 to remove and 40 not upgraded.
Do you want to continue? [Y/n] y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bzip2
  dpkg-dev fakeroot g++ g++-13 g++-13-x86-64-linux-gnu g++-x86-64-linux-gnu gcc gcc-13
  gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libalgorithm-diff-perl
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan8 libbinutils
  libbctf-nobfd0 libctf0 libdpkg-perl libdrm-dev libfakeroot libfile-fcntllock-perl
  libgcc-13-dev libgprofng0 libhasan0 libitm1 liblsan0 libpaccess-dev libquadmath0
  libstdc++-13-dev libtsan2 libubsan1 lto-disabled-list make
```

Warning

Packages required for the **Silicon Motion Driver**:

dkms

Enable loading of **EVDI module**

libdrm-dev

Required due to **libevdi** being shipped as **source code** and **build** during the installation

If the installer fails or these packages are not installed already, install **dkms** and **libdrm-dev** manually by entering the following:

sudo apt update

sudo apt install dkms

sudo apt install libdrm-dev

Re-run the **installer** with **administrative privileges**:

sudo ./SMIUSBDisplay-driver.x.xx.x.x.run