

milkv duos

<https://milkv.io/docs/duo/getting-started/duos>

```
dpavlin@nuc:/nuc/milkv-duo$ git clone https://github.com/milkv-duo/duo-buildroot-sdk
```

```
sudo apt install mtools
```

```
sudo apt install genext2fs
```

```
# needed to find tune2fs as normal user
```

```
export PATH=/sbin:$PATH
```

```
./build.sh milkv-duos-sd
```

```
Create SD image successful: out/milkv-duos-sd-20240606-1431.img
```

```
dpavlin@nuc:/nuc/milkv-duo/duo-buildroot-sdk$ ~/dd.sh out/milkv-duos-sd-20240606-1431.img /dev/mm
+ dd iflag=fullblock oflag=direct conv=fsync status=progress bs=1M if=out/milkv-duos-sd-20240606-
939524096 bytes (940 MB, 896 MiB) copied, 200 s, 4.7 MB/s941621760 bytes (942 MB, 898 MiB) copied
```

```
[352064.918998] usb 1-3.3.1: new high-speed USB device number 16 using xhci_hcd
[352065.459038] usb 1-3.3.1: device descriptor read/64, error -71
[352065.668066] usb 1-3.3.1: New USB device found, idVendor=3346, idProduct=1009, bcdDevice= 5.10
[352065.668088] usb 1-3.3.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[352065.668094] usb 1-3.3.1: Product: RNDIS
[352065.668098] usb 1-3.3.1: Manufacturer: Cvitek
[352065.668102] usb 1-3.3.1: SerialNumber: 0123456789
[352065.723863] usbcore: registered new interface driver cdc_ether
[352065.729953] rndis_host 1-3.3.1:1.0 usb0: register 'rndis_host' at usb-0000:00:14.0-3.3.1, RND
[352065.729990] usbcore: registered new interface driver rndis_host
[352065.737594] rndis_host 1-3.3.1:1.0 enxea8e709605d4: renamed from usb0
```

```
dpavlin@nuc:/nuc/milkv-duo/duo-buildroot-sdk$ sudo dhclient enxea8e709605d4
```

```
dpavlin@nuc:/nuc/milkv-duo/duo-buildroot-sdk$ ip a
```

```
9: enxea8e709605d4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UNKNOWN group
    link/ether ea:8e:70:96:05:d4 brd ff:ff:ff:ff:ff:ff
    inet 192.168.42.201/24 brd 192.168.42.255 scope global dynamic enxea8e709605d4
        valid_lft 3594sec preferred_lft 3594sec
    inet6 fe80::e88e:70ff:fe96:5d4/64 scope link proto kernel_ll
        valid_lft forever preferred_lft forever
```

```
dpavlin@nuc:/nuc/milkv-duo/duo-buildroot-sdk$ ssh root@192.168.42.1
```

```
The authenticity of host '192.168.42.1 (192.168.42.1)' can't be established.
ED25519 key fingerprint is SHA256:sfqq5/VjPb++J6gD4Q8/JxUn6u2geewQcqPwIjJHiF4.
This key is not known by any other names.
```

```
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

```
Warning: Permanently added '192.168.42.1' (ED25519) to the list of known hosts.
```

```
root@192.168.42.1's password: milkv
```

```
[root@milkv-duo]~# uname -a
```

```
Linux milkv-duo 5.10.4-tag- #1 PREEMPT Thu Jun 6 14:28:13 CEST 2024 riscv64 GNU/Linux
```

```
[root@milkv-duo]~# free
```

```
total used free shared buff/cache available
```

```
Mem: 330960 22544 296852 148 11564 300552
```

```
Swap: 0 0 0
```

```
[root@milkv-duo]~# cat /proc/cpuinfo
```

```
processor      : 0
hart          : 0
isa          : rv64imafdvcsu
mmu          : sv39
```