

# phyCORE-i.MX6 usbotgnand / phyCORE-i.MX6 Update Nand by USBOTG

BSPPD18.1.0.

bareboxusbfastboot

```
barebox:/ otg.mode=peripheral
barebox:/ usb gadget -aA /barebox(barebox)c,/kernel(kernel)c,/rootfs(rootfs)c,/oftree(oftree)c
```

linuxfastboot

```
# sudo apt-get install android-tools-fastboot
```

windowsgoogle [SDK Platform-Tools](#) USBfastbootgoogle debug

, linuxfastboot

```
# sudo fastboot getvar all
(bootloader) version: 0.4
(bootloader) bootloader-version: barebox-2017.12.0-bsp-yocto-i.mx6-pd18.
(bootloader) partition-size:barebox: 00000000
(bootloader) partition-type:barebox: file
(bootloader) partition-size:kernel: 00000000
(bootloader) partition-type:kernel: file
(bootloader) partition-size:rootfs: 00000000
(bootloader) partition-type:rootfs: file
(bootloader) partition-size:oftree: 00000000
(bootloader) partition-type:oftree: file
all:
finished. total time: 0.001s
```

fastboot barebox, zImage , oftree, fastboot

```
# sudo fastboot flash barebox barebox.bin
# sudo fastboot flash kernel zImage
# sudo fastboot flash rootfs root.ubifs
# sudo fastboot flash oftree zImage.dtb
```

nand

nandfastbootbarebox,

Usage: fastboot oem exec <barebox command>

Example: fastboot oem exec ubiformat /dev/nand0.root

```
# sudo fastboot oem exec barebox_update -t nand /barebox
# sudo fastboot oem exec erase /dev/nand0.barebox-environment.bb
# sudo fastboot oem exec ubiformat /dev/nand0.root
# sudo fastboot oem exec ubiattach /dev/nand0.root
# sudo fastboot oem exec ubimkvol -t static /dev/nand0.root.ubi kernel 8M
# sudo fastboot oem exec ubimkvol -t static /dev/nand0.root.ubi oftree 1M
# sudo fastboot oem exec ubimkvol -t dynamic /dev/nand0.root.ubi root 0
# sudo fastboot oem exec ubiupdatevol /dev/nand0.root.ubi.kernel /kernel
# sudo fastboot oem exec ubiupdatevol /dev/nand0.root.ubi.oftree /oftree
# sudo fastboot oem exec cp -v /rootfs /dev/nand0.root.ubi.root
```

```
# sudo fastboot oem exec reset
```