How to make WP76 module as mass storage device

# Procedure

1. The test below is verified on MangOH Green WP7608 module FW R12 with official released image.
2. Transfer the following busybox to module /home/root directory by SCP



1. Create an empty 32MB FAT image (in /tmp/fat.fs) using mkdosfs command

chmod 777 ./busybox-armv5l\_1.26

dd if=/dev/zero of=/tmp/fat.fs bs=1024 count=32768

./busybox-armv5l\_1.26 mkdosfs /tmp/fat.fs

1. Mount this FAT image in “/tmp/mass\_storage” in order to add some files

mkdir /tmp/mass\_storage

mount -o loop /tmp/fat.fs /tmp/mass\_storage

echo "Hello World!" > /tmp/mass\_storage/README.TXT

1. Add “mass\_storage” in the USB functions

echo 0 > /sys/class/android\_usb/android0/enable

echo diag,serial,rmnet,ecm,mass\_storage > /sys/class/android\_usb/android0/functions

echo /tmp/fat.fs > /sys/class/android\_usb/android0/f\_mass\_storage/lun/file

echo 1 > /sys/class/android\_usb/android0/enable

1. You will then see the mass storage folder on PC.



# Reference

<https://forum.legato.io/t/making-wp7607-appear-as-mass-storage-device/4453/4>