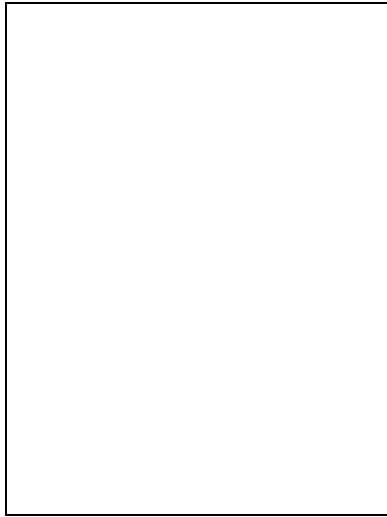
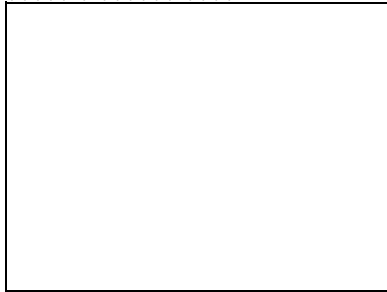


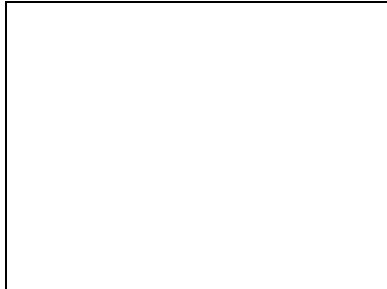
# ???????? USB ????



???? ? ???????



?????? ?? ???????

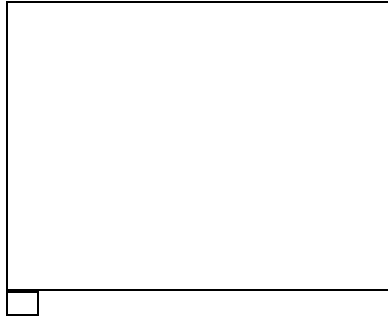


?????? ?? ???????



???????? USB ????

???? ???



???? ???

?? ?????????? ????? USB ????? ?????? ??????????:

1. ????????? ????????? ???? ????????? 9V 1A ?? 5V 2A.
2. ?? ?????? ?????? ?????????????????? ????????? NF1 ? ?? ?????? ?????? data+ ? data-, ????????? ???? ?????????? 20 ? 50 ?? (????????? ?????? ?? ???? ?????? ??????????). ? ????????? ?????? ?????? ?????? ??????????.
3. ?????????? +5V ? ?????????? F1 ? ???? 0,2-0,5 ??, ???? ??????????. BF12 ? ??????????. ???? ???? SMD ?????????????? 0,1???, ?????? ?? ?????? ?? ?????? C9 ?? C130. ? ???? SMD ?? ?????????, ?????? ?????????? ??????????????, ?????? +5V USB ? ??????. ?????????? ?????? ? ?? ??????????????.
4. ?????????? ?????? ? ?????????? R56, R3 ? ??????????.
5. ?????????????? ?? ????????? (J3 ?? ??????), ?????????? ?????? ??????: +5V,data-,data+,GND.

?????? ?????? ?????????? ?? 5-????????????? ?????????????? ?????? ?????????? ?? USB-????????????? ?????????????????????? ? ?????????? ??????????. ?????? ?????????????? ? ?????????? ??????, ?? ?????? ?? ?????????? USB ?????????? ?????? ?????????????????? ?? 5 ?????? (?????????, ?? ?????), ? ?? - ?????????????????? ?????? (? ?????????????????? ?????????????? ??????????????).

## ????????????????? ??????????????

????????????? ? ?????????? (????????????? ?? ??????, ?????????????????? IronShaft ??? D-Link DIR-320, ?????????????????????????????? ?? ?????????????????????? ? 2?? ??????????????????)

?? ?????????? ?????? ?????????? micro-plus-ssh, ? ??? ?? ???? ?????????????? ?????? ?? ??????????, ??? ? ?????????? ssh ? ppp, ? ?????????? ?????????? ?????? ??????????????????????????

1. ?????????????????? ?????????? ? ?????????? FirmwareModKit
2. ?????????? ? ?????????? /rootfs/usr/sbin ? ?????????? 2 ??????: dropbearmulti ? pppd.
3. ?????????? ? ?????? /rootfs/lib/modules/<????????? ????>/ ?????????? usbcore.o, usb-ohci.o, scsi\_mod.o, usb-storage.o, sd\_mod.o,ext2.o. (????? ?? ?????? ?? ?????????? nokaid, mega ? ??, ?????????????? ?? ? ?????????? FirmwareModKit).
4. ?????????? ? ?????? rootfs/sbin ? ?????????? ??????????
5. ?????????????? ?????? init ? ?????? rootfs/usr/sbin

????\_USB\_?\_ASUS\_WL-520GC\_?\_????????\_????????\_?\_USB\_FLASH

6. ?????? ?????? ??? init, ?????????????? ?? ??? ??????:

```
#!/bin/sh
if [ $1 == "noinitrd" ] ; then
  insmod /lib/modules/`uname -r`/usbcore.o
  insmod /lib/modules/`uname -r`/usb-ohci.o
  insmod /lib/modules/`uname -r`/scsi_mod.o
  insmod /lib/modules/`uname -r`/usb-storage.o
  insmod /lib/modules/`uname -r`/sd_mod.o
  insmod /lib/modules/`uname -r`/ext2.o
  sleep 8s
  mount -t proc none /proc
  mount -t ext2 -o noatime,nodiratime /dev/scsi/host0/bus0/target0/lun0/part1 /mnt
  if [ -x /mnt/sbin/init ] ; then
    mount -o move /proc /mnt/proc && \
    pivot_root /mnt /mnt/mnt && {
      mount -o move /mnt/dev /dev
      mount -o move /mnt/tmp /tmp
      mount -o move /mnt/jffs /jffs
      exec /sbin/init $*
    }
  else
    exec /usr/sbin/init $*
  fi
else
  exec /usr/sbin/init $*
fi
```

?? ?????? ?????? ?????? ????????????

7. ?????????? ?????????, ?????????? ?????? ??? ? ??????. ? ??????, ?????? ?? ??????????????, ?? ?????????? ?????? ?????? ? ?????????? micro\_plus\_ssh ??? ?????????? ssh ? pppoe.

8. ?????? USB ??????. ?????? ?? ?? ?????? ??????. ?????? ?????? ??? ?????????, ?????? ?????????? ?????? ??????. ?????? ?????? ??? ?????????? ?? ?????? 15 ?????????.

9. ?????????? ?????? ? ext2. (?? ??????)

10. ?????? ?????????? rootfs ??? ?????? ? ?????????????????????????? ?????? ?? ??????. ?????? ?????????? ? ?????? ??? ?????? ?? root.

????????? ?????? ? ??????, ?????????? ??????, ??? ?????? ?? ?????????? ?????????????? - ?????? ???, ??? ? ? ?????????????? - ??????

---

????? ?????? ?????????? MICRO-PLUS-USB c ?????????? USB, ?????????? ?? [http://www.dd-wrt.com/dd-wrtv2/downloads/others/eko/V24\\_TNG/svn11218/dd-wrt.v24-11218\\_NEWD\\_micro-plus](http://www.dd-wrt.com/dd-wrtv2/downloads/others/eko/V24_TNG/svn11218/dd-wrt.v24-11218_NEWD_micro-plus)

????????? rootfs MEGA ??????

---

?????????:

1. <http://www.dd-wrt.com/phpBB2/viewtopic.php?p=243363#243363>

---

????? ???? ?????, ????? ???? ?????, ????? ???? ????? ????? ????? ?????????? ?????????? ??????????

1) ???? ????? ?????????? ?????????????? ?????? 4 ????? ???? 2) ???? ?????????? MAC-????? WAN

?????????: ?? ??????, ?? ?????????? ??? MAC-????? ?????, ?? ??? LAN ? Wireless ?? ?????????? (?? ????????? ?????????? micro-plus-ssh ??? ??? ?????). ????????? ?????????? ???-?? ??????

???? ????-?? ????????????? ? ????? ?????????, ????????? ?????????.