

one. make menuconfig

Kernel modules ->

W1 support ->

pick these packs

```
<+> kmod-w1. Dallas's 1-wire support
< > kmod-w1-master-ds2482. DS2482 1-wire i2c bus master driver
<+> kmod-w1-master-ds2490. DS2490 1-wire usb bus master driver
<+> kmod-w1-master-gpio. GPIO 1-wire bus master driver
< > kmod-w1-slave-ds2413. DS2413 2 Ch. Addressable Switch
< > kmod-w1-slave-ds2431. DS2431 1kb EEPROM driver
< > kmod-w1-slave-ds2433. DS2433 4kb EEPROM driver
< > kmod-w1-slave-ds2760. Dallas 2760 battery monitor chip (HP iPAQ & others)
< > kmod-w1-slave-smem. Simple 64bit memory family implementation
<+> kmod-w1-slave-therm. Thermal family implementation
```

two. Drag that patch (0001-mt300n-v2-add-wi-gpio.patch) into the root directory and do this

git am 0001-mt300n-v2-add-wi-gpio.patch

```
bin          config  dl      include      key-build.ucert  Makefile  rules.mk  target
BSDmakefile  Config.in  feeds      key-build      key-build.ucert.revoke  package  scripts  tmp

ywp@ywp-virtual-machine:~/openwrt-21.02.0$ cd -
/home/ywp/openwrt-21.02.0/target/linux/ramips/dts
ywp@ywp-virtual-machine:~/openwrt-21.02.0/target/linux/ramips/dts$ vim mt7628an_glinet_gl-mt300n-v2.dts
ywp@ywp-virtual-machine:~/openwrt-21.02.0/target/linux/ramips/dts$ cd -
/home/ywp/openwrt-21.02.0
ywp@ywp-virtual-machine:~/openwrt-21.02.0$ git am 0001-mt300n-v2-add-wi-gpio.patch
应用: mt300n-v2-add-wi-gpio
ywp@ywp-virtual-machine:~/openwrt-21.02.0$ cd -
```

Test Equipment: router MT300N-v2

Temperature Sensor DS18B20

Test Results:

```
w1_master_driver w1_slave_driver
root@OpenWrt:/sys/bus/w1/drivers# cd w1_slave_driver/
root@OpenWrt:/sys/bus/w1/drivers/w1_slave_driver# ;s
-bash: syntax error: unexpected ";"
root@OpenWrt:/sys/bus/w1/drivers/w1_slave_driver# ls
28-0121a33d0e9d bind uevent unbind
root@OpenWrt:/sys/bus/w1/drivers/w1_slave_driver# cd 28-0121a33d0e9d/
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d# ls
driver hwmmon id name subsystem uevent w1_slave
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d# cat w1_slave
b2 01 55 00 7f ff 0c 10 20 : crc=20 YES
b2 01 55 00 7f ff 0c 10 20 t=27125
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d# cat w1_slave
b1 01 55 00 7f ff 0c 10 e5 : crc=e5 YES
b1 01 55 00 7f ff 0c 10 e5 t=27062
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d#
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d#
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d# ls
driver hwmmon id name subsystem uevent w1_slave
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d# cat w1_slave
ad 01 55 00 7f ff 0c 10 8e : crc=8e YES
ad 01 55 00 7f ff 0c 10 8e t=26812
root@OpenWrt:/sys/devices/w1_bus_master1/28-0121a33d0e9d#
```