

Start by configuring the Ethernet and the WLAN interfaces on the MR3020 in two different networks:

[/etc/config/network](#)

```
config interface 'loopback'
    option ifname 'lo'
    option proto 'static'
    option ipaddr '127.0.0.1'
    option netmask '255.0.0.0'

config interface 'wan'
    option ifname 'eth0'
    option proto 'static'
    option ipaddr '192.168.1.66'
    option netmask '255.255.255.0'
    option gateway '192.168.1.1'
    option dns '8.8.8.8'

config interface 'wifi'
    option proto 'static'
    option ipaddr '192.168.66.1'
    option netmask '255.255.255.0'
    option ip6addr '2a01:240:fe00:80ab::1/64'
```

[/etc/config/dhcp](#)

```
config dnsmasq
    option domainneeded 1
    option boguspriv 1
    option filterwin2k 0 # enable for dial on demand
    option localise_queries 1
    option rebind_protection 1 # disable if upstream must serve
RFC1918 addresses
    option rebind_localhost 1 # enable for RBL checking and similar
services
    #list rebind_domain example.lan # whitelist RFC1918 responses for
domains
    option local '/lan/'
    option domain 'lan'
    option expandhosts 1
    option nonegcache 0
    option authoritative 1
    option readethers 1
    option leasefile '/tmp/dhcp.leases'
    option resolvfile '/tmp/resolv.conf.auto'
    #list server '/mycompany.local/1.2.3.4'
    #option nonwildcard 1
    #list interface br-lan
    #list notinterface lo
    #list bogusnxdomain '64.94.110.11'
```

```
config dhcp wifi
  option interface    wifi
  option start        100
  option limit        150
  option leasetime    12h

config dhcp wan
  option interface    wan
  option ignore       1
```

[/etc/config/wireless](#)

```
config wifi-device    radio0
  option type          mac80211
  option channel       11
  option macaddr       f8:d1:11:bd:62:ce
  option hwmode        11ng
  option htmode        HT20
  list ht_capab        SHORT-GI-20
  list ht_capab        SHORT-GI-40
  list ht_capab        RX-STBC1
  list ht_capab        DSSS_CCK-40

config wifi-iface
  option device        radio0
  option network       wifi
  option mode          ap
  option ssid          'PocketBox'
  option encryption    'psk2'
  option key           '1CAFE2DECA'
```

[/etc/config/firewall](#)

```
config zone
  option name          wifi
  option input         ACCEPT
  option output        ACCEPT
  option forward       REJECT

config zone
  option name          lan
  option network       'lan'
  option input         ACCEPT
  option output        ACCEPT
  option forward       REJECT

config zone
  option name          wan
```

```
option network      'wan'  
option input        REJECT  
option output        ACCEPT  
option forward        REJECT  
option masq          1  
option mtu_fix        1  
  
config forwarding  
  option src          lan  
  option dest          wan  
  
config forwarding  
  option src              wifi  
  option dest              wan
```

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