

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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