

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

```

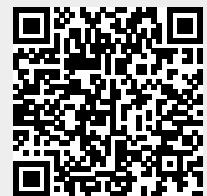
```
option network      'wan'
option input        REJECT
option output       ACCEPT
option forward     REJECT
option masq         1
option mtu_fix     1

config forwarding
    option src      lan
    option dest     wan

config forwarding
    option src      wifi
    option dest     wan
```

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