

# QuickFreeze QFM Internet Security Standards and Network Requirements

*QFM is an IOT Device and is intended to have constant connectivity to be used to its full potential.*

Each QFM unit (one per pallet location) is Wi-Fi ready and is capable of sending and receiving data to/from your facility's Wi-Fi AP (Access Point), then to the internet to communicate with <https://qfmonitoring.com>. Please make sure this site is whitelisted in your firewall.

## WiFi Network Info

Band: 2.4 GHz, 802.11 b/g/n

Encryption: WPA2-PSK

DHCP assigned network addresses are required as each unit will need an IP address\*

## Traffic Bandwidth

Each unit sends a data payload of approximately 1000 bytes to the server every 5 minutes, and requests settings from the server (payload of about 1000 bytes) every 15 minutes. When not sending data or getting settings no bandwidth is used.

## Pre-configuring

We require the network SSID and password so that the units can be shipped pre-configured, ready to connect to your network.

## Network IP Addresses

Your network will need to have available IP addresses for each unit.

## Security

QFM does not need any local network access, only access to <https://qfmonitoring.com/>

## Default Wi-Fi Connection

Every QFM comes from the factory ready to connect to the following SSID:

SSID: QF\_Config

Password: 12!@34#\$56%^78&\*90()

This can be used when changing your internal network settings, or for initial Wi-Fi Setup.

Band: 2.4 GHz, 802.11 b/g/n

Encryption: WPA2-PSK

\*MAC addresses for each unit can be provided upon request to allow for provisioning on your network.