

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 or statically assigned network addresses can be used, 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:

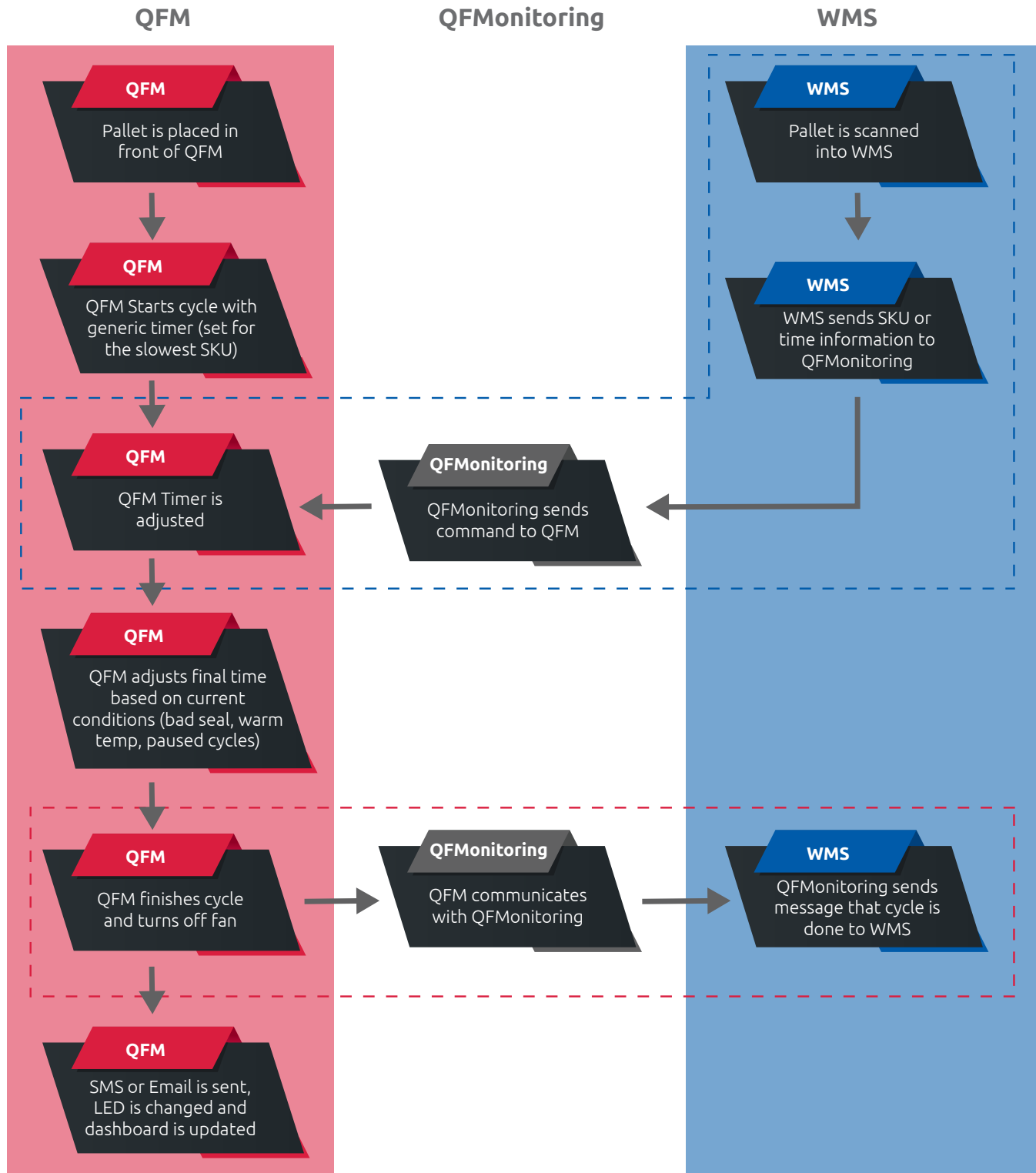
SSID: QF_Config



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

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

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

QFM Workflow Diagram



-  *Workflow 1 - WMS sends message to QFM Server*
-  *Workflow 2 - QFM Server sends message to WMS*