

# QuickFreeze QFM Internet Security Standards and Network Requirements

The QuickFreeze Monitoring (QFM) system is an IoT-based solution designed for continuous operation and real-time data transmission. Each QFM unit requires reliable Wi-Fi connectivity to communicate with the dashboard (<https://qfmonitoring.com>). QFM units are factory-configured to automatically connect to a temporary setup network, then can be reassigned to the facility network through the dashboard.

## Network Requirements

**Wi-Fi Band:** 2.4 GHz (802.11 b/g/n)

**Security:** WPA2-PSK

**IP Assignment:** IPV4 DHCP required

**Firewall Access:** Allow outbound HTTPS (port 443) to:

<https://qfmonitoring.com>

<https://quickfreeze.com>

*QFM devices do not require access to any internal network resources*

## Wi-Fi Provisioning Process

### **Initial Setup Network (Required)**

**SSID:** QF\_Config

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

*This network must be temporarily available to allow units to connect on first power-up*

### **Automatic Connection Behavior**

- Units automatically search for and connect to the QF\_Config network when powered on
- No manual programming or on-site configuration is required.

### **Transition to Facility Network (Optional)**

- Once online, devices can be reprogrammed to the facility Wi-Fi via the QFM dashboard.

**Scan the QR code below for a Tutorial Video**



- After reassignment, the temporary QF\_Config network is no longer required

## Network Capacity & Bandwidth

- Each unit transmits approximately 1 KB of data every 5 minutes
- Each unit retrieves configuration updates approximately every 15 minutes
- Bandwidth usage is minimal and intermittent

## IP Address Requirements

- Each QFM unit requires a unique IP address
- Ensure sufficient address capacity for all deployed units
- DHCP required  
*(static IP assignment not supported)*

## Security Summary

- Outbound-only communication to QFM cloud services (*qfmonitoring.com*)
- No inbound ports required
- No access to internal systems needed

## Summary for IT Teams

- Provide temporary QF\_Config Wi-Fi network for initial setup
- Allow outbound HTTPS access to:  
**qfmonitoring.com**  
**quickfreeze.com**
- Ensure IP address availability
- Optionally assist with moving devices to facility Wi-Fi after deployment