

Field Monitoring Controller

FMC Mini X1 – Feature Data Sheet

General Overview

Feature	Description
Model	Field Monitoring Controller (FMC)
Power Supply	3.6v 3500mAH LiPo Protected Battery
Solar Input	3w 6v DC
Wi-Fi Hotspot	Unit Configuration

Inputs & Outputs

Type	Quantity	Specifications
Analog Input (Current)	1	4–20mA
Analog Input (Voltage)	1	0 – 3.3v DC
Contact Closures	2	Contact Closure Inputs
SDI-12 Input	1	Supports EnviroPro EPGL100-08

Supported Communication

Type	Details
4G (Cellular)	CAT-M1 / NB-IoT modem
MQTT Support	Full MQTT messaging to Mac Systems Portal
SMS Support	Command/control via SMS e.g., relay switching, battery status, restart

Configuration Options

Area	Details
Wi-Fi Setup	WPA-secured hotspot, auto-enabled or button toggled
Firmware Update	Via onboard web interface

Indicators

LED Indicator	Description
Status	Blinks on activity Wi-Fi, Send Message
4G Modem	Power and Network status indicators