WiFi Smart Meter

decmetrics ltd.
www.decmetrics.co.uk

The WiFi module combines with the Emlite single phase meter to enable automatic meter readings with the Openmetrics web portal.
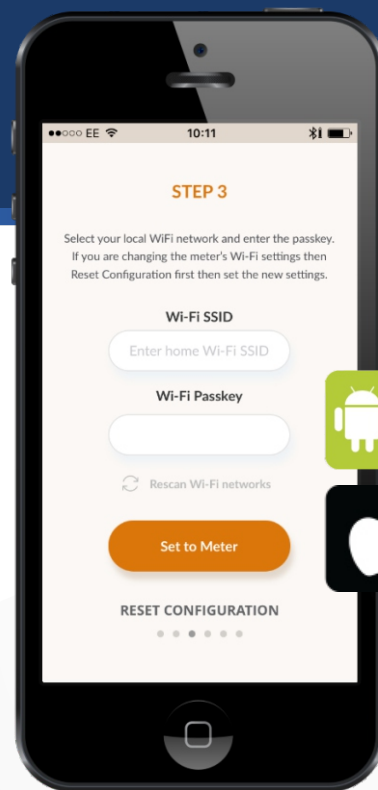
The WiFi module can be **retrofitted** to existing Emlite meters to enable near real-time monitoring of energy generation and energy usage.

Meter readings are sent over Wi-Fi to the **Openmetrics** web portal where users can analyse their energy usage patterns and get accurate meter readings.
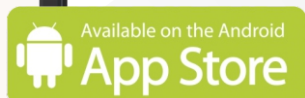
The **twin-element version** of the WiFi meter can measure how much of the solar PV energy is actually being used. By accurately measuring the energy export to the grid and subtracting this from measured energy generation.

- ✓ Fully MID approved meter and Wi-Fi module
- ✓ Easy setup with free Android/iOS app
- ✓ Integration with Samsung Artik cloud platform
- ✓ **Openmetrics** web portal for energy analytics
- ✓ Very low data usage on Wi-Fi (2.4Ghz)
- ✓ Compatible with single and dual element meters
- ✓ Meter reads for feed-in-tariff submissions and billing

STEP 3

Select your local WiFi network and enter the passkey. If you are changing the meter's Wi-Fi settings then Reset Configuration first then set the new settings.

Wi-Fi SSID

Enter home Wi-Fi SSID

Wi-Fi Passkey

Rescan Wi-Fi networks

Set to Meter

RESET CONFIGURATION

Available on the Android **App Store**

Download on the **App Store**

WiFi Meter Setup App

decmetrics ltd.

📍 **DEC Metrics Ltd, Airport House Purley Way, Croydon, CR0 0XZ**

📞 +44(0)1883 460411
✉ sales@decmetrics.co.uk
🖥 www.decmetrics.co.uk

Wi-Fi Module

▶ The WiFi Module can be purchased separately for installing onto existing Emlite base meters.

▶ Download the free iOS and Android app to pair the Wifi meter with your local wireless network.

▶ Login to Openmetrics.co.uk to start viewing your meter readings

WiFi Module			ESP8266 IC	802.11 b/g/n 2.4 Ghz only Soft-AP Ultra low power consumption

Electrical	Voltage	Nominal voltage	220V - 240V
	Frequency	Nominal frequency Frequency variation	50Hz or 60Hz + - 5%
	Current	Maximum (Imax)	100A
	Accuracy	Active Energy Reactive energy	Class B, 20 EN 50470 1-3 Class 2, to IEC 62053-23

Meets the essential requirements of the Measuring Instruments Directive **(MID)** 2004/22/EC.
MCS Approved for feed-in-tariff metering and vendor approved for AMR submissions

Environmental	Temperature range Ingress protection	-25'C to +55'C IP52 to BS EN 60529

Meters are intended for installation in a class E2 electromagnetic environment and Class M1 Mechnical Environment according to 2004/22/EC Directive.

Physical	Terminal arrangement Main terminal size Ternimal Construction	BS 7856 8.2mm diameter with 2 M6 pinch screw Solid brass double screw clamp
Overall dimensions	Including module	180H x 122W x 49D