

## Linky Smart Meter Reader – Specification



### 1. Product Overview (English)

SMeter-RS09 is a smart meter reader designed to extend WiFi communication capability for the French Linky electricity meter that does not have built-in networking. The device connects to the meter through I1 and I2 ports for data communication. After connecting to a router, the reader uploads data to a cloud IoT platform. It supports remote monitoring, remote control, firmware upgrades, remote maintenance, edge energy interconnection, and local debugging. It can also support wireless networking of multiple energy storage devices and anti-backflow control when operating in parallel. The data response speed can reach up to 500 ms per record.

### 2. Product Features (English)

#### Ease of Use

- Simple installation: Uses a 3-pin connector for plug-and-play installation.
- Simple configuration: Supports both local physical interface configuration and remote network parameter configuration.
- Easy maintenance: Supports remote maintenance and OTA firmware upgrades to reduce onsite maintenance.

#### General Capability

- Industrial components: Designed with industrial-grade components supporting long-term stable operation from -20°C to +65°C.
- Stable communication: Real-time command monitoring and network disconnection detection ensure reliability.
- Data security: Supports AES encryption to ensure data integrity and security.

## Flexibility

- **Protocol compatibility:** Supports multiple communication protocols for integration with various devices.
- **Local and remote management:** With APP support for both local monitoring and remote management.
- **On-site configuration:** Allows reading and configuring device parameters through a standard interface.

## 3. Technical Specifications (English)

Dimensions: 63.4 × 29.5 × 36 mm

Weight: 23 g

Manual Language: Chinese / English

Power Supply: DC 5V

Operating Current: 1A

Power Consumption: 2.5 W

Operating Temperature: -20°C ~ +65°C

Storage Temperature: -30°C ~ +85°C

Installation: 3-pin connector

Certification: CE / RoHS

Warranty: 2 years (hardware designed for >15 years)

Communication: TTL

Networking: WiFi

WiFi Frequency: 2412–2484 MHz, 5180–5885 MHz (optional)

WiFi Standard: 802.11 b/g/n/ax (optional)

WiFi Speed: Up to 150 Mbps

BLE: BLE 4.2 or above

Communication Distance: WiFi 50 m / BLE 10 m

Supported Server: smartServer

Configuration: App

Data Upload Interval: 1-60 s

#### 4. Interface Definition (English)

1 – I1: Linky meter I1

2 – I2: Linky meter I2

3 – A: Linky meter A

4 – DC 5V: Power supply

5 – I1: Third-party device I1

6 – I2: Third-party device I2



## Linky SMeter Lecteur Intelligent – Spécification (Français)



1.SMeter-RS09 est un lecteur de compteur intelligent conçu pour ajouter une communication WiFi aux compteurs électriques Linky en France qui ne disposent pas de connexion réseau intégrée. L'appareil se connecte au compteur via les interfaces I1 et I2 pour la communication de données. Une fois connecté à un routeur, il transmet les données vers une plateforme IoT dans le cloud. Il prend en charge la surveillance à distance, le contrôle à distance, la mise à jour du firmware, la maintenance à distance, l'interconnexion énergétique en périphérie et le débogage local. Il permet également la mise en réseau sans fil de plusieurs systèmes de stockage d'énergie et la gestion anti-injection sur le réseau. La vitesse de réponse des données peut atteindre 500 ms par enregistrement.

### 2. Caractéristiques du produit

#### Facilité d'utilisation

- Installation simple : connecteur 3 broches plug-and-play.
- Configuration simple : configuration locale ou à distance via réseau.
- Maintenance simple : maintenance à distance et mise à jour OTA.

#### Fiabilité

- Composants industriels : fonctionnement stable entre -20°C et +65°C.
- Communication stable : surveillance des commandes en temps réel et détection de perte de réseau.
- Sécurité des données : chiffrement AES pour garantir l'intégrité des données.

#### Flexibilité

- Compatibilité protocolaire : support de multiples protocoles.

- Gestion locale et distante via application.
- Configuration sur site via interface standard.

### 3. Spécifications techniques

Dimensions: 63.4 × 29.5 × 36 mm

Weight: 23 g

Manual Language: Chinese / English

Power Supply: DC 5V

Operating Current: 1A

Power Consumption: 2.5 W

Operating Temperature: -20°C ~ +65°C

Storage Temperature: -30°C ~ +85°C

Installation: 3-pin connector

Certification: CE / RoHS

Warranty: 2 years (hardware designed for >15 years)

Communication: TTL

Networking: WiFi

WiFi Frequency: 2412–2484 MHz, 5180–5885 MHz (optional)

WiFi Standard: 802.11 b/g/n/ax (optional)

WiFi Speed: Up to 150 Mbps

BLE: BLE 4.2 or above

Communication Distance: WiFi 50 m / BLE 10 m

Supported Server: smartServer

Configuration: App

Data Upload Interval: 1–60 s

#### 4. Interfaces

1 – I1: Linky meter I1

2 – I2: Linky meter I2

3 – A: Linky meter A

4 – DC 5V: Power supply

5 – I1: Third-party device I1

6 – I2: Third-party device I2

