



# WeR@Home™

## Smart Extender Datasheet



ES800EX

### Product

The WeR@Home™ Smart Extender extends the coverage of the system by including on-site WeR@Home™ peripherals which are beyond the hub's range, allowing full connectivity to the mobile app and the WeR@Home™ servers.

Features include:

- Automatic synchronization with the hub
- Connected devices completely integrated into WeR@Home™
- Internet connectivity options:
  - 3G/4G (HSPA+)
  - LAN/Ethernet
- Can be used with Z-Wave Plus Extender
- Supports up to 63 peripherals
- Supports automatic over-the-air software programming and configuration upgrade (RSU)
- Accessories included:
  - LAN/Ethernet cable
  - Rechargeable backup battery
  - Universal power adapter/charger

### WeR@Home™ Smart Living

The WeR@Home™ suite allows living life fully through smart connected homes

- Home security and safety at the core
- Notifications of security events and remote management of the home in real time
- Modular and expandable - manage connected home devices with Z-Wave® expansion
- Smart Rule engine for automation – decide which device, condition, or event will trigger which actions and at what time
- Live HD video – anytime, on any screen
- Save energy and money by ensuring that lights and air conditioning are turned off when not at home

### Specifications

#### COMMUNICATIONS

- **Maximum RF range:** 600 m (1,968 ft.) open air
- **Maximum transmission:** 25 mW (14 dBm)
- **Proprietary bi-directional radio protocol**
- **Modulation and frequency:** DSSS, 2.4 GHz
- **Data security:** 128 bit AES encryption
- **Cloud (internet):**
  - Model ES800EX-GN-K01: LAN/Ethernet port and 3G/4G(HSPA+)
  - Model ES800EX-GN-K02: LAN/Ethernet port
  - Model ES800EX-GN-K03: 3G/4G(HSPA+)

#### POWER CONSUMPTION

- 100-240 V AC to 5 V DC power adapter/charger
- 3.7 V 1.4 Ah Li-polymer rechargeable backup battery (up to 3 hours)

#### DIMENSIONS

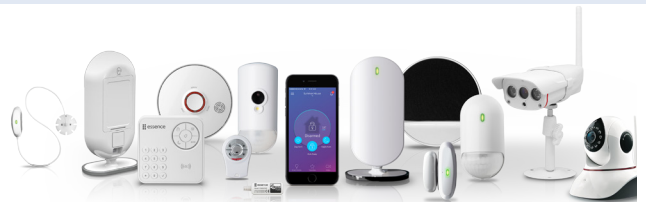
- **Size (H x W x D):** 141 x 75 x 41 mm (5.6 x 3 x 1.6 in.)
- **Weight:** 125 g (0.27 lbs.) + 35 g (0.08 lbs.) backup battery

#### ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 60°C (-4°F to 140°F)
- **Operating ambient temperature range with battery:** -5°C to 50°C (23°F to 122°F)
- **RF operating humidity:** Up to 95% non-condensing

#### COMPLIANCE

- **FCC ID:** YXG-ES8000GP
- **IC:** 11061A-ES8000GP
- **CE – EMC**
  - ETSI EN 301 489-1 V1.9.2
  - ETSI EN 301 489-3 V1.6.1
  - EN 61000-6-3: 2007/A1: 2011
- **CE – Radio**
  - ETSI EN 300 440 V2.1.1:2017
- **CE – Safety**
  - EN 60950-1: 2006/A11: 2009/A1: 2010/A12: 2011/A2: 2013



ESUGSL086 Rev. 1.0 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>