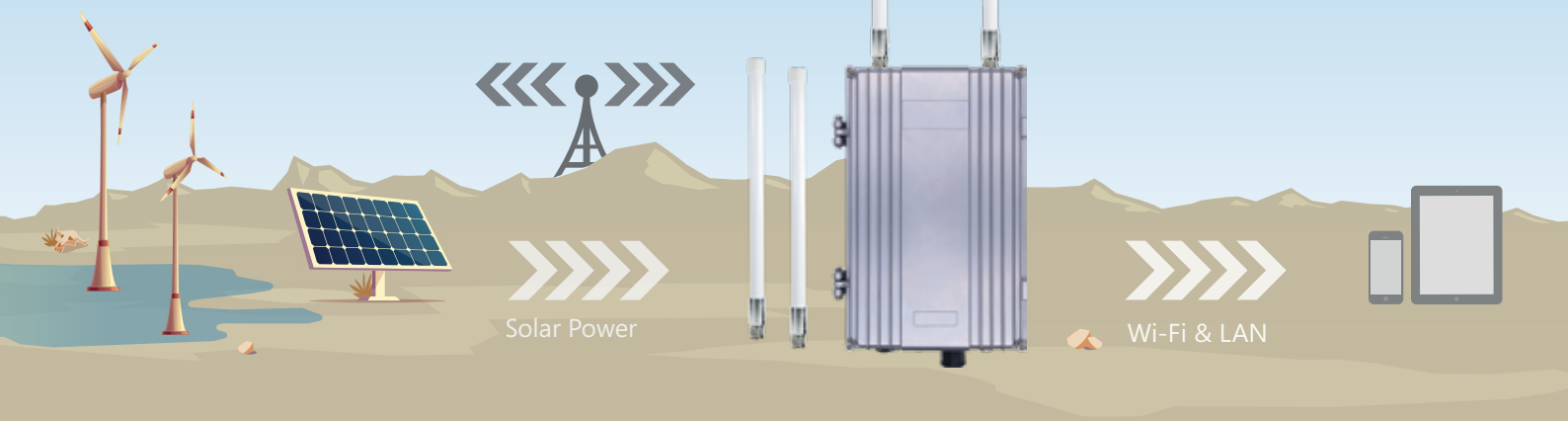


# OUTDOORROUTER

## DATASHEET



SKU: EZR53

## BATTERY-POWERED OUTDOOR 4G ROUTER

The outdoor WiFi 4G router has a 12Volt solar-battery pack and supports 2-day working. It has a 4G mobile modem to connect mobile networks and provides WiFi & LAN. The battery management system allows recharging battery from the solar panel, DC power, and PoE adapter.

### How Does Solar Battery 4G Router Works?

Designed for use in remote areas without landline internet and an electric power source is not available.

### Worldwide Mobile Modems

Insert a phone SIM card in the 4G router and connect multiple devices to the Internet via wireless Wi-Fi or LAN Ethernet.

### Flexible Power Sources

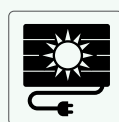
Built-in battery management system. It allows recharging the internal battery pack by different power sources, including 12Volt solar panel, 9~24Volt DC power, and 48Volt PoE.

## FEATURES



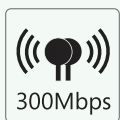
### Worldwide Mobile Modems

- ◇ Various of MIMO 3G/4G modems
- ◇ Download speed up to 150~300Mbps
- ◇ High-gain FRP 4G omni antennas



### Battery Management System

- ◇ Built-in 5,200mAh battery pack \*extendable
- ◇ 9~24Volt DC power – including solar power
- ◇ Comes with 48Volt standard PoE adapter



### 2.4G Wi-Fi Booster Inside

- ◇ 2T2R MIMO Wi-Fi – speed up to 300Mbps
- ◇ Wi-Fi booster inside, cover 150~300 yards
- ◇ Support up to 57 concurrent Wi-Fi users



### IP67 Waterproof Design

- ◇ Designed for rugged deployments
- ◇ IP67 hardened aluminum alloy case
- ◇ Integrated surge protection

## SPECIFICATIONS

### Hardware

- CPU · Qualcomm Atheros QCA9531
- Frequency · 650 MHz
- Memory · DDR3 RAM 512MB
- Flash · SPI FLASH 16MB
  
- 4G FRP Antenna · Frequency: 698~960 / 1710~2700MHz  
Gain: 3~4 dBi  
V.S.W.R.: ≤ 2.5
- 2.4G Wi-Fi Antenna · Frequency: 2400~2500MHz  
Gain: 5 dBi  
V.S.W.R.: ≤ 2.5
  
- 2 x SIM card slot · For Nano-SIM cards
- RJ45 port · 2 x 10/100Mbps (PoE & LAN and WAN)
- Indicator · Power, system, WiFi, SIM card
  
- Temperature · Working: -40 to 80°C  
· Storage: -50 to 90°C
- Working humidity · 10%-90% RH
- Installation · Pole mounted

### Firmware

- Concurrent users · 57 users
- Firmware · OpenEzen EV3111
- Computer support · Windows / Mac / Linux
- Log in · IP 192.168.50.1  
Password: root

### Wi-Fi Router

- Standards · IEEE 802.11 b/n/g & 802.3u
- Transmission rate · 300Mbps by 2T2R MIMO
- Frequency · 2412~2484 MHz
- Channel · 1~13
- Bandwidth · 20/40MHz or Auto
  
- Output power · 802.11n: 23±2dBm for OFDM mode  
802.11g: 25±2dBm for OFDM mode  
802.11b: 27±2dBm for CCK mode
- Wi-Fi modes · 11b / 11g / 11n only  
11 b/g mixed  
11 b/g/n mixed

### Power Sources

- Built-in battery · 5,200mAh \*Extendable
- PoE power · 48Volt 802.3af
- PoE cable length · <100 meters
- Solar controller · 12~18Volt

### Package Contents

- 1 x EZR50 4G router
- 4 x FRP antenna
- 1 x 10-meter LAN cable
- 1 x 48V PoE injector
- 1 x Mounting set & tool

## 3G/4G MODEMS

### CAT. 4 Grade Transmission Rate

#### 4G LTE

- Download 150Mbps
- Upload 50Mbps

#### 3G HSPA+

- Download 21Mbps
- Upload 5.76Mbps

#### 3G TD-SCDMA

- Download 2.8Mbps
- Upload 2.2Mbps

### CAT. 6 Grade Transmission Rate

#### 4G LTE

- Download **300Mbps**
- Upload 50Mbps

#### -Y4E

#### EU/UK - Standard

- ◇ **Supported Mobile Frequency**
  - 4G FDD LTE : B1/B3/B5/B7/B8/B20
  - 4G TDD LTE : B38/B40/B41
  - 3G WCDMA : B1/B5/B8
  - 2G GSM : B3/B8

#### ◇ Country

- Europe
- Africa
- Most countries in Asia

#### ◇ Certificate

- RCM/CE/ICASA/FAC/GCF

#### -Y4O

#### Oceanian Standard

- ◇ **Supported Mobile Frequency**
  - 4G FDD LTE : B1/B2/B3/B4  
B5/B7/B8/B28
  - 4G TDD LTE : B40
  - 3G WCDMA : B1/B2/B5/B8
  - 2G GSM : B2/B3/B5/B8

#### ◇ Country

- Australia, New Zealand
- Philippines, Brazil, Argentina
- Colombia etc.

#### ◇ Certificate

- RCM/FCC/Anatel

#### -Y4AF

#### American Standard

- ◇ **Supported Mobile Frequency**
  - 4G FDD LTE : B2/B4/B5/B12  
B13/ B14/B66/B71
  - 3G WCDMA : B2/B4/B5

#### ◇ Country

- North America

#### ◇ Certificate

- GCF / FCC / IC / PTCRB / AT&T  
Verizon /T-Mobile / Telus /Bell