

# OUTDOORROUTER

## DATASHEET



SKU: EZR30

## OUTDOOR 4G MIMO ROUTER 300Mbps

Integrated 3G/4G mobile modem, EZR30 outdoor router connect your smartphone, tablet, computer, camera, etc. to the internet via the 3G/4G mobile networks. Comes with dual 4G MIMO antennas, the router receive signals at a high sensitivity.

Complying with the IEEE 802.11b/g/n standard, the outdoor router output Wi-Fi signals at max 27dBm power with transmission speeds of up to 300Mbps. You can control the Wi-Fi and LAN networks with OpenWrt enabled firmware, such as SSID, SSL, DNS, encryption, firewall, port forwarding, Wi-Fi relay, and so on.

IP67 hardened industrial-grade aluminum alloy case enclosure the outdoor router to withstand extreme weather conditions and rugged deployments. The built-in smart PoE module allows using the router on a wide-range PoE power 12~24~48Volt.

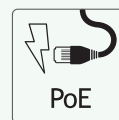


### FEATURES



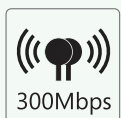
#### MIMO 3G/4G Mobile Modem

- ◇ MIMO 4G - High sensitivity
- ◇ Replaceable mini PCIe modem
- ◇ Multiple standard modems available



#### PoE (power over Ethernet)

- ◇ PoE support IEEE 802.3af/at
- ◇ PoE injector included
- ◇ Support 50-100 meters LAN cable



#### MIMO Wi-Fi with Booster

- ◇ 2.4GHz - IEEE 802.11b/g/n & 802.3u
- ◇ Wi-Fi transmission rate up to 300Mbps
- ◇ Support up to 57 concurrent users



#### Industrial-grade Rugged Design

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

## SPECIFICATIONS

### Hardware

- CPU · Qualcomm Atheros QCA9531
- Frequency · 650 MHz
- Memory · 128 MB
- Flash · 16 MB
  
- 4G Omni Antenna · Frequency: 698~960 / 1710~2700MHz  
Gain: 3/4/3.5 dBi  
V.S.W.R.: ≤ 2.5
- 2.4G Wi-Fi Antenna · Frequency: 2400~2500MHz  
Gain: 5 dBi  
V.S.W.R.: ≤ 2.0
  
- 1 x SIM card slot · For standard SIM card (25x15mm)
- RJ45 port · 1 x 10/100Mbps
- Indicator · Power & system
  
- Power consumption · < 3 Watt
- Temperature · Working: -30 to 80°C  
Storage: -50 to 95°C
- Working humidity · 10%-90% RH
- Installation · Pole mounted

### Firmware

- Concurrent users · 57 users
- Bootloader · U-Boot v1.1.3
- Firmware · OpenWrt v15.05.01
- Computer support · Windows XP Vista 7 8/8.1  
MAC OS X 10.7+

### 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

### PoE (power over Ethernet)

- PoE power · 12~24~48Volt
- PoE standard · 802.3af/at
- Cable length · 50~100 meters
- Wiring · Ethernet 1,2,3,6 / DC+ 4,5 / DC- 7,8

### Package Contents

- 1 x EZR30- 4G router
- 4 x Omni antenna
- 1 x 10-meter LAN cable
- 1 x 3-meter LAN cable
- 1 x 24V-1A PoE injector
- 1 x Mounting set & tool

### Measurements

- Router: L232xW174xH70 mm / 986 gram
- Package: L450xW300xH120mm / 2910gram

## 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 Standards

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

- ◇ Country
  - North America  
(Canada, United States)
  - Some countries in America

- ◇ Certificate
  - GCF/FCC/IC/PTCRB