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3G/4G OUTDOOR ROUTER

With an integrated mobile modem, the outdoor router connect your smartphone, tablet, computer, camera, etc. to the internet via the 3G/4G network. After inserting a micro SIM card into build-in SIM card slot and connect the outdoor router to POE power source, a Wi-Fi hotspot is instantly established.

Complying with the IEEE 802.11b/g/n standard, the outdoor router can establish a wireless network with transmission speeds of up to 150mbps. The Wi-Fi output power is adjustable between 10/20/30dBm. WPA/WPA2 encryption standards ensure your wireless connection is safe from intruders.

WRT4E is an industrial-grade 3G/4G router with an IP67 rated enclosure to withstand extreme weather conditions and harsh rugged deployments. It can be installed in manufacturing plants, industrial automation, stadiums facilities, school campuses, etc.

WRT4E also supports Ethernet connection to extend the internet network in indoor areas.

FEATURES

Intelligent Cellular Chipset
◇ Model MURATA-ZX297520M
◇ Mobile transmission rate up to 150mbps
◇ Supported frequency bands:
· 4G FDD-LTE: B1/B3/B7/B8/B20
· 4G TDD-LTE: B40
· 3G WCDMA: 2100/900MHz
· 3G TD-SCDMA: B34/B39

Powerful Wi-Fi Amplifier
◇ Model RTL8192ES-CG
◇ Wi-Fi transmission rate up to 150Mbps
◇ Comply Wi-Fi standards 802.11b/g/n
◇ Adjustable Wi-Fi output power 10/20/30dBm
◇ Adjustable connections from 1~32 users
◇ 13 Wi-Fi channels
◇ Encryption WPA-PSK/WPA2-PSK/WPA2 AES-PSK

High Gain FPR Aerials
◇ Dual fiber reinforced polymer (FPR) antennas
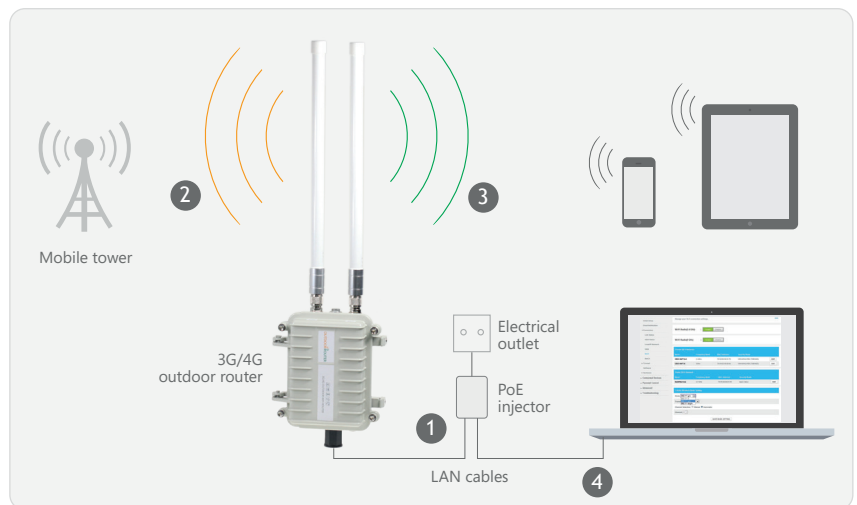◇ Vertical polarized high gain up to 5dBi
◇ Wideband adaptive 698~2700MHz

PoE Power Source
◇ IEEE 802.3af/at Power over Ethernet (PoE)
◇ Ethernet connection via PoE adapter
◇ Include 30-meter LAN cable

Industrial-grade Rugged Design
◇ Designed for rugged deployments
◇ IP67 hardened aluminum alloy case
◇ Electrostatic discharge (ESD)
◇ Surge protection

HOW DOES IT WORKS?

1. After inserting a SIM card (not included) into the built-in SIM card slot, and connect the outdoor router to PoE power source by LAN cable, the outdoor router will start to create a Wi-Fi hotspot instantly.

2. The outdoor router captures 4G/3G/2G mobile network signals via the full-band FPR aerial and works on cellular networks of FDD-LTE, TDD-LTE, WCDMA/HSPA+, TD-SCDMA, GSM/GPRS/EDGE.

3. Transmit mobile phone network to Wi-Fi signal, and boost the Wi-Fi signal to up to 10/20/30dBm (adjustable). Then broadcast boosted Wi-Fi signals by high gain 2.4G FPR aerial.

4. The outdoor router supports Ethernet connection. You can connect your computer or indoor router to the PoE power adapter with 5-Meter LAN cable (included).

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APPLICATIONS

Designed to work in outdoor. Create Wi-Fi Hotspot to serve a community, and even connect to a computer or an indoor router via LAN cable.

SPECIFICATIONS

EU/UK - 3G/4G Cellular Networks

◇ **Supported Mobile Frequencies**
· 4G FDD-LTE Band 1: 2100MHz
· 4G FDD-LTE Band 3: 1800MHz
· 4G FDD-LTE Band 7: 2600MHz
· 4G FDD-LTE Band 8: 900MHz
· 4G FDD-LTE Band 20: 800MHz
· 4G TDD-LTE Band 40: 2300MHz
· 3G WCDMA: 2100/900MHz
· 3G TD-SCDMA: B34/B39
· 2G GSM/GPRS/EDGE: 900/1800MHz

◇ **Cellular Transmission Rate**
· 4G FDD-LTE: UL 50Mbps DL 150Mbps
· 4G TDD-LTE: UL 50Mbps DL 150Mbps
· 3G HSPA+:   UL 5.76Mbps DL 21Mbps
· 3G TD-SCDMA: UL 2.2Mbps DL 2.8Mbps

◇ Supports SMS control

Wi-Fi Router

· Wi-Fi standards: 802.11b/g/n
· Wi-Fi channel: 13
· Wi-Fi encrytion: Open/WPA-PSK/WPA2-PSK
· Frequency: 2412MHz-2472MHz
· Simultaneous connections: 1~32 Users
· Wi-Fi transmission rate: 150Mbps
· Output power: Adjustable 10/20/30dBm
· Data management: By data or by time
· Power consomption: < 2.5 Watt
· Supports Wi-Fi hotspot relay function
· Hide SSID available

Operation System

· Support system: OpenWrt
· Data modulation: OFDM
· Computer supported:
  Windows XP Vista 7 8/8.1
  MAC OS X 10.7+

Hardwares

· Antenna: 5/6dBi FRP antennas
· USIM/SIM: Micro SIM card 12x15mm
· Ports: 2 x 10/100 RJ45 ports
· Indicators: 2G/3G/4G/Wi-Fi
· PoE injector: DC24V-1A / AC120-250V
· Waterproof: IP67
· Working temperature: -30 to 80°C
· Working humidity: 10%-90% RH
· Storage temperature: -40 to 85°C
· Installation: Pole mounted
· Measurement: 230x175x75mm/850g

Package Contents

· 1 x Outdoor Router
· 2 x FRP Aerial
· 1 x 30-Meter LAN Cable
· 1 x 5-Meter LANCable
· 1 x 24V-1A PoE Injector
· 1 x Mounting set & tool