

LT-OTR-4G2S DATASHEET



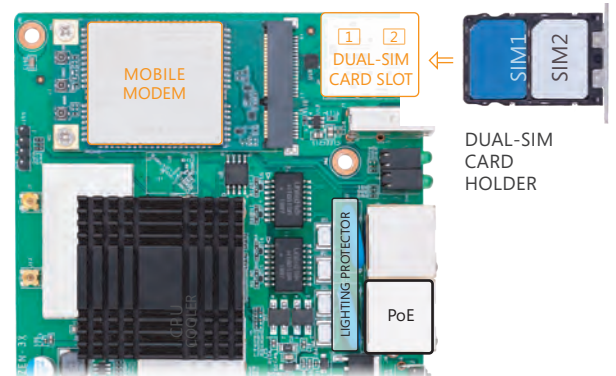
LT-OTR-4G2S OUTDOOR 4G ROUTER DUAL-SIM



Integrated mobile modem, the LT-OTR-4G2S outdoor 4G router connect your phone, tablet, computer, camera, etc. to the internet via WiFi or LAN Ethernet. Comes with 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 firmware, such as SSID, DNS, encryption, firewall, port forwarding, Wi-Fi relay, and so on.

IP67 hardened industrial-grade aluminum alloy case enclosure the router to withstand extreme weather conditions and rugged deployments.

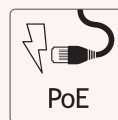


FEATURES



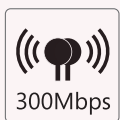
MIMO 3G/4G Mobile Modem

- ◇ 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.: ≤ 2.0
- 2.4G Wi-Fi Antenna · Frequency: 2400~2500MHz
Gain: 5 dBi
V.S.W.R.: ≤ 2.0

- 2 x SIM card slot · Nano SIM card (12.3x8.8mm)
- RJ45 port · 1 x 10/100Mbps
- Indicator · System / WiFi / SIM1 / SIM2

- Temperature · Working: -40 to 80°C
Storage: -50 to 90°C
- Working humidity · 10%-90% RH
- Installation · Pole mounted

Firmware

- Concurrent users · 57 users
- Bootloader · LTBoot
- Firmware · OpenELT
- Computer support · Windows / Mac / Linux

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 · 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 4G router
- 4 x Omni antenna
- 1 x 10-meter LAN cable
- 1 x 48V PoE adapter
- 1 x Mounting set & tool

Measurements

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

3G/4G MODEMS

CAT. 4 -

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 -

Transmission Rate

4G LTE

- Download 300Mbps
- Upload 50Mbps

-EU-x

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

-AOS-x

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

-NA-x

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

