

# 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.



DUAL-SIM  
CARD  
HOLDER



### Features :

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



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

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



- ▲ 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 aluminium alloy case
- ▲ Surge protection



# LT-OTR-4G2S

## OUTDOOR 4G ROUTER DUAL-SIM

### Specifications :

| Hardwares            |                                   | Wi-Fi Router              |                                      |
|----------------------|-----------------------------------|---------------------------|--------------------------------------|
| CPU                  | Qualcomm Atheros QCA9531          | Standards                 | IEEE 802.11 b/n/g & 802.3u           |
| Frequency            | 650 MHz                           | Transmission rate         | 300Mbps by 2T2R MIMO                 |
| Memory               | 128 MB                            | Frequency                 | 2412~2484 MHz                        |
| Flash                | 16 MB                             | Channel                   | 1~13                                 |
| 4G Omni Antenna      | Frequency: 698~960 / 1710~2700MHz | Bandwidth                 | 20/40MHz or Auto                     |
|                      | Gain: 3/4/3.5 dBi                 | Output power              | 802.11n: 23±2dBm for OFDM mode       |
|                      | V.S.W.R.: ≤ 2.0                   |                           | 802.11g: 25±2dBm for OFDM mode       |
| 2.4G Wi-Fi Antenna : | Frequency: 2400~2500MHz           |                           | 802.11b: 27±2dBm for CCK mode        |
|                      | Gain: 5 dBi                       | Wi-Fi modes               | 11b / 11g / 11n only                 |
|                      | V.S.W.R.: ≤ 2.0                   |                           | 11 b/g mixed                         |
| 2 x SIM card slot    | Nano SIM card (12.3x8.8mm)        |                           | 11 b/g/n mixed                       |
| RJ45 port            | 1 x 10/100Mbps                    | PoE (power over Ethernet) |                                      |
| Indicator            | System / WiFi / SIM1 / SIM2       | PoE power                 | 48Volt                               |
| Temperature          | Working: -40 to 80°C              | PoE standard              | 802.3af/at                           |
|                      | Storage: -50 to 90°C              | Cable length              | 50~100 meters                        |
| Working humidity     | 10%-90% RH                        | Wiring                    | Ethernet 1,2,3,6 / DC+ 4,5 / DC- 7,8 |
| Installation         | Pole mounted                      | 3G/4G MODEMS :            |                                      |
| Firmwares            |                                   | 4G LTE                    |                                      |
| Concurrent users     | 57 users                          | Download                  | 150Mbps                              |
| Bootloader           | LTBoot                            | Upload                    | 50Mbps                               |
| Firmware             | OpenELT                           | 3G HSPA+                  |                                      |
| Computer support     | Windows / Mac / Linux             | Download                  | 21Mbps                               |
|                      |                                   | Upload                    | 5.76Mbps                             |
|                      |                                   | 3G TD-SCDMA               |                                      |
|                      |                                   | Download                  | 2.8Mbps                              |
|                      |                                   | Upload                    | 2.2Mbps                              |
|                      |                                   | CAT.6 -Transmission Rate  |                                      |
|                      |                                   | 4G LTE                    |                                      |
|                      |                                   | Download                  | 300Mbps                              |
|                      |                                   | Upload                    | 50Mbps                               |

### CAT. 4 - Transmission Rate

| -EU-x<br>EU/UK - Standard  |                    | -AOS-x<br>Oceanian Standard    |              | -NA-x<br>American Standards |                 |
|----------------------------|--------------------|--------------------------------|--------------|-----------------------------|-----------------|
| Supported Mobile Frequency |                    | Supported Mobile Frequency     |              | Supported Mobile Frequency  |                 |
| 4G FDD LTE                 | B1/B3/B5/B7/B8/B20 | 4G FDD LTE                     | B1/B2/B3/B4  | 4G FDD LTE                  | B2/B4/B5/B12    |
| 4G TDD LTE                 | B38/B40/B41        |                                | B5/B7/B8/B28 |                             | B13/B14/B66/B71 |
| 3G WCDMA                   | B1/B5/B8           | 4G TDD LTE                     | B40          | 3G WCDMA                    | B2/B4/B5        |
| 2G GSM                     | B3/B8              | 3G WCDMA                       | B1/B2/B5/B8  |                             |                 |
|                            |                    | 2G GSM                         | B2/B3/B5/B8  |                             |                 |
| Country                    |                    | Country                        |              | Country                     |                 |
| Europe                     |                    | Australia, New Zealand         |              | North America               |                 |
| Africa                     |                    | Philippines, Brazil, Argentina |              | (Canada, United States)     |                 |
| Most countries in Asia     |                    | Colombia etc.                  |              | Some countries in America   |                 |
| Certificate                |                    | Certificate                    |              | Certificate                 |                 |
| RCM/CE/ICASA/FAC/GCF       |                    | RCM/FCC/Anatel                 |              | GCF/FCC/IC/PTCRB            |                 |

