

Maritime 4G-LTE Broadband Antenna Communication System

Z series

- High Gain, Omni-direction Antenna
- Easy to Setup, Use and maintain
- Built-in 4G router, simple design
- Support Available Band Networks for 4G-LTE
- POE Power Supply, Easy to Wire
- Specially for to Marine Industry, High Stability



KM-Z3

Designer and Manufacturer of Maritime Antennas

KINGSAT is focus on RF parts for 20 years, it is turn-key supplier of R&D, manufacturing and Sales as a whole. The maritime TVRO and VSAT satellite antennas are widely sold in domestic market and oversea market. Products are high reliable with high gain, excellent performance which wins great reputation in the market.

Stable and Reliable Quality with Excellent RF Performance

Customized for coastal 4G signals. Select high quality accessories strictly from inside to outside. The self-developed RF parts and structural devices are used to ensure the antenna's excellent performance. Provide users with 4G-LTE broadband access for a long time under all kinds of harsh environments service.

Easy to Setup and Use, Less Maintenance

Friendly design, Industry-Grade outdoor 4G Router. Power supply of POE design ensure "The shorter RF cable, the better signal is". Even beginners can complete the configuration and surf the Internet successfully within minutes. 4G router supports all available band networks for 4G-LTE to satisfy customers flexible selection.

The High Gain, The Further You Sail

Adopt the stable and mature 4G-LTE antenna array units to satisfy omni-direction. Using six high gain sector antennas for omnidirectional coverage, to ensure full individual direction signals receive best. In the case of obstacle-free with line-of-sight, signal can be extended as far as 40km away from the base station.

| Model | Z3 |
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| Mechanical Specification | |
| Radome Size | 41 X 84CM (16" X 33") |
| Weight | 10 KG(Includes 4G router&20m network cable) |
| Radome Material | ASA |
| Electrical Performance | |
| Frequency Range | 690-960MHz and 1710-2700MHz(All available 4G-LTD band support) |
| Beamwidth | H: 360°(65°X6 Omnidirectional) E:≥ 12°±2 |
| Gain | Low band ≥7dBi, High Band ≥5dBi |
| Electrical Downtilt | 0° |
| Side lobe suppression | ≥14dB |
| VSWR | ≤2/≤1.7 |
| Polarization | Vertical |
| Connector Type | N type |
| Outdoor 4G Router Specification | |
| LTE Category: | 3GPP Release 11, LTE CAT7(300Mbps/100Mbps) |
| LTE FDD Bands: | B1/B3/B7/B8/B20/B28/B32/B38 |
| 3G Bands: | B1/B8 |
| Nominal Maximum Speed (4G-LTE) | Downlink: 150Mbps, Uplink: 50Mbps |
| LAN port | 1 * 10/100M Ethernet Port |
| SIM card | support 1.8/3.3V standard SIM card (SIM card slot adaptor supplied) |
| POE adaptor | AC110-220V to POE Adaptor, Output 24V/1A |
| Working Environment | |
| Operation Temperature | -25° ~ 55°C |
| Storage Temperature | -30° ~ 85°C |
| Humidity | Up to 95% @ 40°C |
| Wind Speed | 60m/sec max from any direction |
| Water Proof | IP56 |
| Cable Connection Diagram | |

