

## Maritime 4G-LTE Broadband Antenna Communication System

### Z series

- High Gain, Omnidirectional Antenna
- Built-in 4G router, simplistic design
- Easy to Setup and Use, Less Maintenance
- Support All Available Band Networks for 4G-LTE
- Outdoor Design, Water Proof
- PoE Power Supply, Easy to Wiring
- Dedicated to Marine Industry, High Stability



**KM-Z6**

#### Designer and Manufacturer of Maritime Antennas

KINGSAT is focused on RF parts for 20 years; it is a turn-key supplier of R&D, manufacturing and sales as a whole. The maritime TVRO and VSAT satellite antennas are widely sold in domestic and overseas markets. Products are highly reliable with high gain, excellent performance, which has won 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 ensures "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.

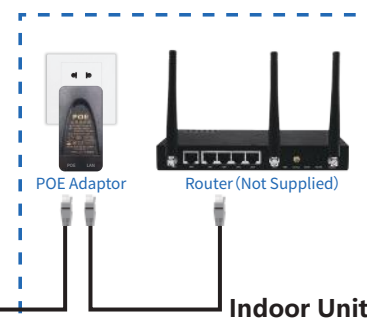


Model	Z6
<b>Mechanical Specification</b>	
Radome Size	78 X 80CM (31" X 31.5")
Weight	18 KG
Radome Material	ASA
<b>Electrical Performance</b>	
Frequency Range	1710-2700MHz
Beamwidth	H: 360°( Omni-Direction ) E: ≥ 12°±2
Gain	High Band ≥14dBi
Electrical Downfirt	0°
Side lobe suppression	≥14dB
VSWR	≤1.6
Polarization	Vertical
Connector Type	N type
<b>Outdoor 4G Router Specification</b>	
Network Support	TDD-LTE B38/B39/B40/B41, FDD-LTE B1/B3/B5/B8(All available 4G-LTE band support)
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 12V/1A
<b>Working Environment</b>	
Operation Temperature	-25° ~ 55°C
Storage Temperature	-30° ~ 85°C
Humidity	Up to 100% @ 40°C
Wind Speed	60m/sec max from any direction
Water Proof	IP56
<b>Cable Connection Diagram</b>	



Outdoor Unit

Outdoor Grade POE cable



Indoor Unit

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Maritime Antennas