



1500-1550 MHz SISO 21dBi 2 Feet Dish Antenna W15GP2109A



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Introduction

The 1.5G grid parabolic antenna is a high-performance antenna designed for outdoor applications with excellent receiving and transmitting capabilities. Its operating frequency range is 1500-1550 MHz, which can effectively support various mobile communication and data transmission requirements. The gain of the antenna is up to 21 dBi, ensuring the stability and coverage of signal transmission, suitable for base stations and other occasions requiring high gain.

Classification

Outdoor Antenna->Parabolic Antenna

Attributes

- Brand: Asialeren
- Model: W15GP2109A
- prodCode: 8517710000
- Download: [1.5G grid parabolic W15GP2109A.pdf](#)

Product Description

Electrical Specifications	
Frequency Range (MHz)	1500-1550
Horizontal Half-power Beamwidth (°)	12
Vertical Half-power Beamwidth (°)	12
Gain (dBi)	21
Polarization	Vertical or Horizontal
VSWR	≤1.5
Front to Back Ratio (dB)	≥30
Ports Isolation (dB)	≥30
Average Power, Maximum (W)	100
Impedance (Ω)	50
Lightning Protection	DC Ground

Mechanical Specifications	
Dish Diameter (cm)	90×60
Packing Dimension (cm)	67× 60 × 24
Net Weight (Kg)	3.6 (installation kit included)
Connector	N Female
Environmental Specifications	
Application	Outdoor
Operating Temperature (°C)	-40 to +70 (-40 to 158°F)
Humidity (%)	5 to 95
Survival Wind Velocity (km/h)	200

Mounting Specifications	
MOUNTING BRACKETS ARE INCLUDED UNLESS OTHERWISE SPECIFIED	
Mounting Style	Pole Mount
Mounting Mast Diameter (mm)	Φ 35 to 50

Product Advantage

- High Performance Gain:** The 1.5G grid parabolic antenna offers an impressive 21dBi gain, ensuring optimal signal reception and transmission within the frequency range of 1500-1550MHz, making it ideal for outdoor applications.
- Durable Outdoor Design:** Crafted specifically for outdoor usage, this antenna features a robust design that withstands harsh environmental conditions, ensuring reliable performance for your communication needs.
- Versatile Mounting Options:** Designed with a pole mount mounting style, the antenna can be easily installed on masts with a diameter of Φ 35 to 50 mm, providing flexibility for various installation scenarios.
- Secure Connectivity:** Equipped with a reliable N Female connector, this antenna guarantees a secure and stable connection to your communication equipment, enhancing overall system performance.
- Enhanced Safety Features:** This antenna comes with built-in DC ground lightning protection, providing peace of mind during unpredictable weather conditions while ensuring safety and longevity of your equipment.

FAQ

Q: What frequency range does the 1.5G Grid Parabolic Antenna operate in?

A: The 1.5G Grid Parabolic Antenna operates in the frequency range of 1500-1550 MHz, making it ideal for various outdoor applications requiring strong and reliable signal transmission.

Q: What is the gain of this antenna?

A: This antenna offers an impressive gain of 21 dBi, which ensures enhanced signal strength and improved communication quality over long distances.

Q: What type of connector does this antenna use?

A: The antenna features an N Female connector, providing robust connectivity options suitable for outdoor installations while ensuring minimal signal loss.

Q: What is the recommended mounting style for this antenna?

A: This antenna is designed for pole mount installation, offering flexibility and stability in outdoor settings. It is compatible with mounting mast diameters ranging from Φ 35 to 50 mm.

Q: What are the dimensions of this parabolic antenna?

A: The dish diameter of the 1.5G Grid Parabolic Antenna measures 90×60 cm, providing an expansive surface area for optimal signal capture and transmission.

Q: How heavy is the antenna?

A: The net weight of the antenna is 3.6 kg, making it manageable for installation while ensuring durability and reliability in various environmental conditions.

Q: What are the packing dimensions of the product?

A: The product is packed with dimensions of 67×60×24 cm, allowing for convenient shipping and storage while ensuring the antenna is well-protected during transit.

Q: Is this antenna suitable for indoor use?

A: While the primary design of the 1.5G Grid Parabolic Antenna is for outdoor applications, it can be used indoors if there is a need to capture signals from outside. However, optimal performance is achieved in outdoor environments.

Q: Can the antenna be used in a wireless LAN?

A: The 1.5G mesh Parabolic Antenna is mainly used for wireless communication in lower frequency band, such as GSM (2G), CDMA (2G), etc. It is usually not suitable for wireless local area network (WLAN), because WLAN usually works in the [2.4 GHz](#) or 5 GHz band. You can choose [2.4GHz Parabolic Antenna GL-DY2425V24](#), which is suitable for 2.4GHz, WLAN, WIFI Wireless System.

Q: What should I consider for installation?

A: For installation of the 1.5G Grid Parabolic Antenna, ensure you have a suitable pole with a diameter between Φ 35 to 50 mm, and verify that the mounting site is clear from obstructions to maximize your signal performance.

For the specific parameters and sizes of this product, please click the right email or telephone to consult us.

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