

4.9-6.4 GHz, 3-foot MIMO Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 2 Pack

KP-6DCN-3-C5X



Features

- Twist-on antenna for Mimosa C5x, C6x and B5x PTP
- 3-Foot parabolic antenna - 2 pack
- Collapsible style dish for easy transport
- All aluminum dish material
- Dual linear polarization (V/H or +/-45 deg.)
- 4900 to 6400 MHz, 34 dBi Gain

Applications

- Long distance backhaul
- Point to point data links
- 4.9/5.1/5.3/5.4/5.8/6 GHz ISM and UNII band
- Wi-Fi 2.4 and Wi-Fi 5
- MIMO capability available
- 4.9 GHz public safety
- Licensed frequencies up to 6.4 GHz

Description

The KP Performance KP-6DCN-3-C5X is a 2 pack MIMO dish antenna with frequency range from 4.9-6.4 GHz. This 3-foot dish antenna supports Mimosa C5x and B5x easy twist-on adapters for radio heads. The multi band C5x antenna has port to port isolation of 30 dB with a front to back ratio of 40 dB. This collapsible antenna style allows for easy transport and quick installation.

The KP-6DCN-3-C5X multi band dish antenna has 50 Ohms impedance and 50 Watts maximum input power. This 4.9-6.4 GHz MIMO dish antenna can operate at a temperature ranging from -40 to 70 °C. The 3-foot C5x antenna is made-up of aluminium base material, and is DC grounded for lightning protection. This parabolic dish antenna with C5x Mimosa adapter has a 3.5-degree horizontal and 3.5-degree vertical HPBW.

This KP-6DCN-3-C5X MIMO dish antenna is available with ±45 degree slant polarization band. The 3-foot parabolic dish antenna is reliable, rugged, and flexible with inbuilt adapters and features a dual linear polarization. This 2 pack MIMO dish antenna is suitable for enterprise, industrial, telecom operators, radio OEMs, telecom industry, backhaul engineers, and network deployment.

KP Performance has the largest in-stock selection of 4.9-6.4 GHz MIMO dish antenna with C5x Mimosa adapter with same-day shipment. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the perfect 4.9-6.4 GHz C5x antenna for your requirements.

Configuration

Design	Dish
Application Band	MIMO
Band Type	Multi
Radiation Pattern	Directional
Polarization	45 Deg. Slant
Connector Type	C5X, C6X, B5X
Lightning Protection	DC Grounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4,900		6,400	MHz
Impedance		50		Ohms
Front to Back Ratio	40			dB
Port to Port Isolation	30			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Horizontal (Azimuth) HPBW	3.5	Degrees
Vertical (Elevation) HPBW	3.5	Degrees
Input Power	50	Watts

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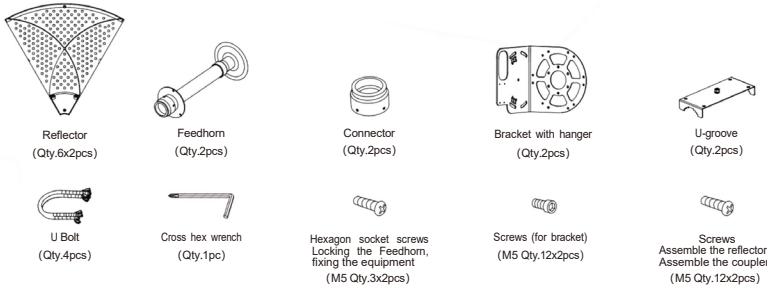
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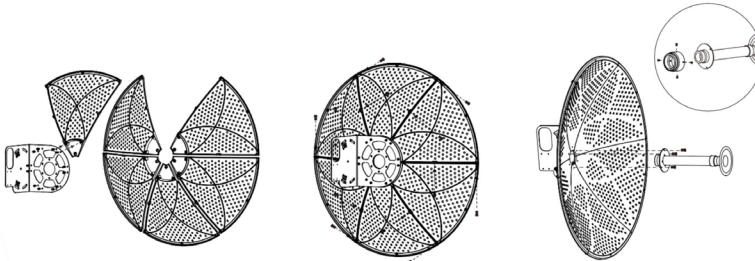
Installation steps

Before use this equipment, please read this guide for installing equipment quickly.

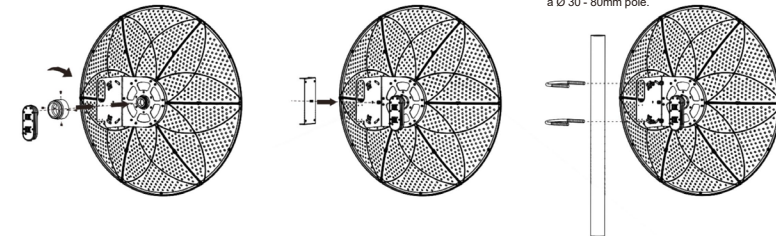


Bracket Installation

1. Assemble the 6 pieces of Reflector on the Bracket with hanger, and each Reflector is fixed with 2 M6 screws.
2. Use M5 screws to fix the Reflector, each Reflector is fixed with 2 M5 screws.
3. ① Remove connector
② Install the feedhorn on the antenna and fix it with 3 M5 screws.



4. Screw the device clockwise into the connector and the holder, and then fix the device with 4 M4 hexagon socket screws.
5. Fix the U-groove to the Bracket with nuts by M8 wrench.
6. Remove the nut on the U-Bolt, select the appropriate position of the antenna to adjust the antenna angle, lock the nut to the U-Bolt, fix the antenna, and complete the installation.
Note: The mounting assembly can accommodate a Ø 30 - 80mm pole.



Specifications by Band

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Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	4.9 to 5.1	5.1 to 5.9	5.9 to 6.4			GHz
Gain	31.5	32.5	34			dBi
VSWR Max	2.5:1	2:01	2:01			

Mechanical Specifications

Base Material	Aluminum
Mounting Application	U-bolt
Size	
Length	35.4331 in [900 mm]
Width	35.4331 in [900 mm]
Height	13 in [330.2 mm]
Mounting Mast Diameter	1.1811 to 3.1496 in [30.00 to 80.00 mm]
Weight	48.94 lbs [22.2 kg]
Mechanical Specification Notes:	
Weight and dimensions are for a single antenna	

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C

Plotted and Other Data

Notes:

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Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

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The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. KP Performance reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. KP Performance does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and KP Performance does not assume liability arising out of the use of any part or document.

KP-6DCN-3-C5X CAD Drawing

