

## 4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot

### KP-6DCN-4-C5X



#### Features

- Twist-on antenna for Mimosa C5x, C6x and B5x PTP
- 4-Foot parabolic antenna
- All aluminum dish material
- Wooden crate packaging
- Dual linear polarization (V/H or +/-45 deg.)
- 4900 to 6400 MHz, 36dBi 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-4-C5X is a 4.9 - 6.4 GHz directional dish antenna with a gain of 36 dBi and a C5X type connector. This MIMO parabolic antenna has a front to back ratio of 42 dB with a +/-45 Deg. Slant or V/H polarization. This antenna is well suited for multiple-input and multiple-output (MIMO) and a variety of telecom applications. Our 4 foot MIMO dish antenna supports B5x, C6x and C5x MIMOSA easy twist-on adapters for radio heads. This directional dish antenna is designed to withstand harsh environments and temperatures between -40 to +70 deg C.

Our CSPD4-6C5X has a radome made of aluminum with a mounting mast diameter from 1.1 in–3.1 in. This 4-foot dish antenna comes with a reliable, rugged, and flexible MIMOSA adapter and features dual linear polarization. This antenna is suitable for the enterprise, industrial, telecom operators, radio OEMs, network deployment, backhaul engineers, and telecom industries.

This multi band dish antenna comes with an impedance of 50 Ohms and a max input power of 50 Watts. Our 4 foot long multi band directional antenna has a maximum VSWR of 2.5:1. This directional dish antenna operates at 4.9 to 5.1 GHz/ 5.1 to 5.9 GHz/ 5.9 to 6.4 GHz frequency bands. This parabolic antenna is solid, rugged, and strong enough to withstand harsh environments.

KP Performance has the largest in-stock selection of 4.9 - 6.4 GHz MIMO dish antenna with a 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 Ground

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4,900		6,400	MHz
Input VSWR		2:01	2.5:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot KP-6DCN-4-C5X](#)

4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot

**KP-6DCN-4-C5X**



Impedance		50		Ohms
Gain	35	36	36.5	dBi
Front to Back Ratio	42			dB
Horizontal (Azimuth) HPBW		3		Degrees
Vertical (Elevation) HPBW		3		Degrees
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot KP-6DCN-4-C5X](#)

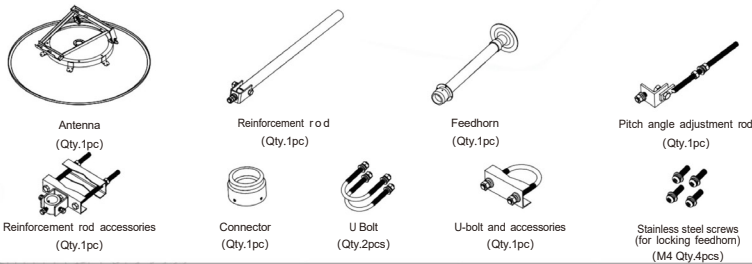
## 4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimoso Adapter, 4-foot

### KP-6DCN-4-C5X



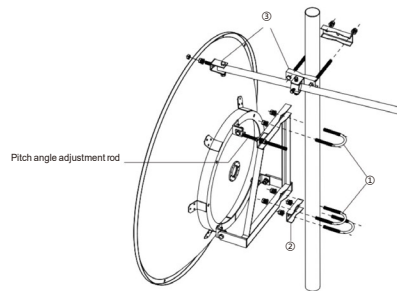
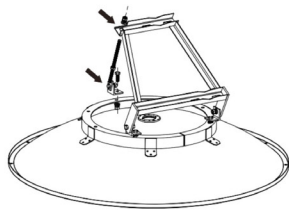
### Installation steps

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



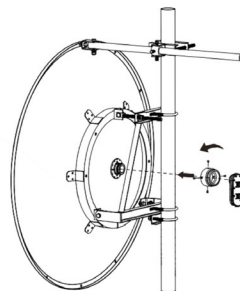
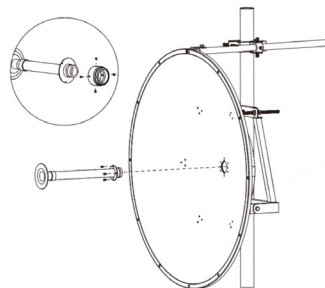
#### Bracket Installation

1. Remove the nuts at both ends of the adjusting rod. Pass one end through the hole of the fixed base at the bottom of the antenna, and fix it with nuts. Pass the other end through the hole of the bracket and tighten it clockwise with nut. (as shown in the figure)
2. ① Remove the nut on the U-bolt, select the appropriate position of the antenna to adjust the distortion of the antenna, lock the nut to the U-bolt, and fix the antenna.  
② Remove the nuts on the U-bolt, fix it at the bottom of the antenna bracket, and lock it to the U-bolt with the nuts.  
③ Fix one end of the reinforcing rod with the antenna, and the other end with the mast (as shown in the figure)  
Note: The mounting assembly can accommodate a  $\varnothing$  30 - 80mm pole.



3. ① Remove connector  
② Install the feedhorn on the antenna and fix it with 3 M4 screws.

4. Screw the device clockwise into the connector and the holder, and then fix the device with 4 M4 hexagon socket screws.



### Specifications by Band

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimoso Adapter, 4-foot KP-6DCN-4-C5X](#)

4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot

**KP-6DCN-4-C5X**



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	35	36	36.5			dBi
Port to Port Isolation	30	30	30			dB
VSWR Max	2.5:1	2:01	2:01			

**Mechanical Specifications**

Base Material	Aluminum
Mounting Application	U-bolt
<b>Size</b>	
Length	47.2441 in [120 cm]
Width	47.2441 in [120 cm]
Height	18.8 in [477.52 mm]
Mounting Mast Diameter	1.18 to 3.15 in [29.97 to 80.01 mm]
Weight	125.6 lbs [56.97 kg]

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +70 deg C

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot KP-6DCN-4-C5X](#)

4.9 - 6.4 GHz, MIMO, Directional Dish Antenna  
with C5x, C6x, B5x Mimosa Adapter, 4-foot

**KP-6DCN-4-C5X**



**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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot KP-6DCN-4-C5X](#)

URL: <https://www.kpperformance.com/4.9-6.4-ghz-mimo-directional-dish-antenna-c5x-mimosa-adapter-4-foot-kp-6dcn-4-c5x-p.aspx>

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.

4.9 - 6.4 GHz, MIMO, Directional Dish Antenna with C5x, C6x, B5x Mimosa Adapter, 4-foot

KP-6DCN-4-C5X CAD Drawing

