

450 MHz Sector Antenna REN 64511 SN-65

Description :



REN 64511 SN-65 Sector Antenna Arrays provide 65° beamwidth coverage in CDMA 450 ~ 470 MHz frequency band. Each of the base station antennas in the array can be adjusted individually to compensate for the geography of the installation location. This feature ensures maximum coverage of the array for service providers. Since the RF is concentrated into a narrow field, the result is very high gain and excellent signal characteristics.

Applications :

- Base station Antennas & WLL Hotspots
- Wireless Two-Way Voice, Data, and Video Services
- 450 MHZ CDMA Broadband Applications
- Multipoint and Mobile Applications

Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT



PARAMETERS	SPECIFICATIONS
Frequency Range	450 ~ 470 MHz
Gain	11.0 dBi
VSWR	$\leq 1.5 : 1$
Horizontal Beamwidth	65°
Vertical Beamwidth	30°
Front to Back Ratio	≥ 25 dB
Intermodulation IM3	≤ -110 dBm
Cross Polarization Discrimination	≥ 15 dB
Isolation	≥ 25 dB
Polarization	Vertical
Max. Power	500 Watt
Impedance	50 Ω
Connector	N(F)
Radome Material	Fiberglass
Radiating Element Material	Brass
Back Panel Material	Passivated Aluminium
Lightning Protection	Direct Ground
Dimensions (Approx.)	1534 x 518 x 132 mm
Weight (Approx.)	6.0 kg
Rated Wind Velocity	216 km/hr
Mounting Mass Diameter	$\Phi 40 \sim \Phi 90$ mm

Note: Mounting Hardware and Brackets are supplied with Antenna
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450 MHz Sector Antenna REN 64514 SN-65

Description :



REN 64514 SN-65 Sector Antenna Arrays provide 65° of beamwidth coverage in CDMA 450 ~ 470 MHz frequency band. Each of the base station antennas in the array can be adjusted individually to compensate for the geography of the installation location. This feature ensures maximum coverage of the array for service providers. Since the RF is concentrated into a narrow field, the result is very high gain and excellent signal characteristics.

Applications :

- Base station Antennas & WLL Hotspots
- Wireless Two-Way Voice, Data, and Video Services
- 450 MHZ CDMA Broadband Applications
- Multipoint and Mobile Applications

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PARAMETERS	SPECIFICATIONS
Frequency Range	450 ~ 470 MHz
Gain	14.0 dBi
VSWR	$\leq 1.5 : 1$
Horizontal Beamwidth	65°
Vertical Beamwidth	15°
Front to Back Ratio	≥ 25 dB
Intermodulation IM3	≤ -110 dBm
Cross Polarization Discrimination	≥ 15 dB
Isolation	≥ 25 dB
Polarization	Vertical
Max. Power	500 Watt
Impedance	50 Ω
Connector	N(F)
Radome Material	Fiberglass
Radiating Element Material	Brass
Back Panel Material	Passivated Aluminium
Lightning Protection	Direct Ground
Dimensions (Approx.)	2060 x 490 x 110 mm
Weight (Approx.)	11.0 kg
Rated Wind Velocity	216 km/hr
Mounting Mass Diameter	$\Phi 40 \sim \Phi 90$ mm

Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

450 MHz Sector Antenna REN 64511 SN-65

Description :



REN 64511 SN-65 Sector Antenna Arrays provide 65° beamwidth coverage in CDMA 450 ~ 470 MHz frequency band. Each of the base station antennas in the array can be adjusted individually to compensate for the geography of the installation location. This feature ensures maximum coverage of the array for service providers. Since the RF is concentrated into a narrow field, the result is very high gain and excellent signal characteristics.

Applications :

- Base station Antennas & WLL Hotspots
- Wireless Two-Way Voice, Data, and Video Services
- 450 MHZ CDMA Broadband Applications
- Multipoint and Mobile Applications

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PARAMETERS	SPECIFICATIONS
Frequency Range	450 ~ 470 MHz
Gain	11.0 dBi
VSWR	$\leq 1.5 : 1$
Horizontal Beamwidth	65°
Vertical Beamwidth	30°
Front to Back Ratio	≥ 25 dB
Intermodulation IM3	≤ -110 dBm
Cross Polarization Discrimination	≥ 15 dB
Isolation	≥ 25 dB
Polarization	Vertical
Max. Power	500 Watt
Impedance	50 Ω
Connector	N(F)
Radome Material	Fiberglass
Radiating Element Material	Brass
Back Panel Material	Passivated Aluminium
Lightning Protection	Direct Ground
Dimensions (Approx.)	1534 x 518 x 132 mm
Weight (Approx.)	6.0 kg
Rated Wind Velocity	216 km/hr
Mounting Mass Diameter	$\Phi 40 \sim \Phi 90$ mm

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450 MHz Sector Antenna REN 64514 SN-65

Description :



REN 64514 SN-65 Sector Antenna Arrays provide 65° of beamwidth coverage in CDMA 450 ~ 470 MHz frequency band. Each of the base station antennas in the array can be adjusted individually to compensate for the geography of the installation location. This feature ensures maximum coverage of the array for service providers. Since the RF is concentrated into a narrow field, the result is very high gain and excellent signal characteristics.

Applications :

- Base station Antennas & WLL Hotspots
- Wireless Two-Way Voice, Data, and Video Services
- 450 MHZ CDMA Broadband Applications
- Multipoint and Mobile Applications

Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT



PARAMETERS	SPECIFICATIONS
Frequency Range	450 ~ 470 MHz
Gain	14.0 dBi
VSWR	$\leq 1.5 : 1$
Horizontal Beamwidth	65°
Vertical Beamwidth	15°
Front to Back Ratio	≥ 25 dB
Intermodulation IM3	≤ -110 dBm
Cross Polarization Discrimination	≥ 15 dB
Isolation	≥ 25 dB
Polarization	Vertical
Max. Power	500 Watt
Impedance	50 Ω
Connector	N(F)
Radome Material	Fiberglass
Radiating Element Material	Brass
Back Panel Material	Passivated Aluminium
Lightning Protection	Direct Ground
Dimensions (Approx.)	2060 x 490 x 110 mm
Weight (Approx.)	11.0 kg
Rated Wind Velocity	216 km/hr
Mounting Mass Diameter	$\Phi 40 \sim \Phi 90$ mm

Note: Mounting Hardware and Brackets are supplied with Antenna
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450 MHz Rubber Duck Antenna

REN 64502 RDT

Description

REN 64502 RDT CDMA 450 MHz Rubber Duck is a Terminal Antenna for FWTs or PCMCIA data cards. The 90° hinge will allow you to adjust the antenna into position for the strongest signal available.

Application

- Public Wireless Fixed Terminal Sets
- Wireless Two-Way Voice, Data, and Video Services
- CDMA 450 MHz Frequency Band Applications
- Mobile Applications

PARAMETERS

Frequency Range
Gain
VSWR
H-Plane Half Power Beamwidth
E-Plane Half Power Beamwidth
Polarization
Max. Power
Input Impedance
Connector
Height (Approx.)
Weight (Approx.)
Rated Wind Velocity
Working Temperature
Lightning Protection

SPECIFICATIONS

450 ~ 470MHz
2.0 dBi
≤ 1.5: 1
360⁰
360⁰
Vertical
50 Watts
50 Ω
TNC (Male)
83 mm
0.03 Kg
210 Km/hr
- 40 °C~ 55 °C
DC Ground

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***



450 MHz Panel Antenna REN 64506 PN



Description :

REN 64506 PN series high performance Panel Antennas offer wide territorial coverage with no signal waste. Our design of Panel antennas provides high efficiency and low back lobes. The antenna is protected from the environment and has direct ground lightning protection. These are easily installable and can be positioned almost everywhere due to its ingenious design.

Application :

Panel antennas are ideal for nearby wireless connectivity with minimal loss of signal. These can be used for both indoor and outdoor applications.

Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT



PARAMETERS	SPECIFICATIONS
Frequency Range	450 ~ 470 MHz
Gain	6.0 dBi
VSWR	$\leq 1.5 : 1$
Horizontal Beamwidth	85°
Vertical Beamwidth	120°
Front to Back Ratio	≥ 15 dB
Polarization	Vertical
Max. Power	50 Watt
Impedance	50 Ω
Connector	N(F)
Radome Material	Fiberglass
Lightning Protection	Direct Ground
Dimensions (Approx.)	240 x 230 x 50 mm
Weight (Approx.)	0.96 kg
Rated Wind Velocity	210 km/hr
Mounting Mass Diameter	$\Phi 40 \sim \Phi 50$ mm

Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

400 MHz Omni Directional Antenna

REN 64008 ODN

Description

REN 64008 ODN series high performance Omni Directional Antennas are specially designed for broadband applications in UHF 405-425 MHz and multipoint applications. Heavy duty fiberglass radome is durable enough to stand up to over 60 m/sec wind loads. All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. No frequency adjustment is required. Mounting is easy with two extruded aluminum U-bolts which secure the antenna firmly to mast.



Application

High Gain mobile Omni Directional Antenna is designed for Point-to-Multipoint transmissions over long distance and wide coverage.

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

PARAMETERS**SPECIFICATIONS**

Frequency Range	405-425 MHz
Gain	8.0 dBi
VSWR	$\leq 1.5: 1$
E-Plane Half Power Beamwidth	17°
Polarization	Vertical
Max. Power	100 Watts
Impedance	50 Ω
Connector	N (F)
Height	1.7 Mtr
Weight (Approx.)	2.0 kg
Diameter	$\Phi 20$ mm
Mounting Hardware	$\Phi 40 \sim \Phi 50$ mm

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

400 MHz Omni Directional Antenna

REN 64609 ODN

Description

REN 64609 ODN series high performance Omni Directional Antennas are specially designed for broadband applications in CDMA 460-470 MHz band multipoint applications. Heavy duty fiberglass radome is durable enough to stand up to over 60 m/sec wind loads. All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. No frequency adjustment is required. Mounting is easy with two extruded aluminum U-bolts which secure the antenna firmly to mast.



Application

High Gain mobile Omni Directional Antenna is designed for Point-to-multipoint transmissions over long distance and wide coverage.

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

PARAMETERS**SPECIFICATIONS**

Frequency Range	460-470 MHz
Gain	9.0 dBi
VSWR	$\leq 1.5: 1$
E-Plane half Power Beamwidth	14.5 ⁰
Polarization	Vertical
Max. Power	100 Watts
Impedance	50 Ω
Connector	N (F)
Element Housing Material	Fiberglass
Height (Approx.)	2.6 Mtr
Weight (Approx.)	2.5 kg
Mounting Hardware	$\Phi 40 \sim \Phi 50$ mm
Lightning Protection	DC Ground

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

450 MHz Omni Directional Antenna

REN 64511 ODN

Description

REN 64511 ODN series high performance Omni Directional Antennas are specially designed for broadband applications in CDMA 450-470 MHz band multipoint applications. Heavy duty fiberglass radome is durable enough to stand up to over 60 m/sec wind loads. All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospheric discharge. No frequency adjustment is required. Mounting is easy with two extruded aluminum U-bolts which secure the antenna firmly to mast.



Application

High Gain mobile Omni Directional Antenna is designed for Point-to-Multipoint transmissions over long distance and wide coverage.


***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

PARAMETERS

SPECIFICATIONS

Frequency Range	450~470MHz
Gain	11.0 dBi
VSWR	$\leq 1.5: 1$
E-Plane Half Power Beamwidth	17 ⁰
Polarization	Vertical
Rated Power	300 Watts
Input Impedance	50 Ω
Connector	N (F)
Radiating Material	Fiber Glass
Length	2.8 Mtr
Weight (Approx.)	1.2 Kg
Lightning Protection	Direct Ground

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

	<h2 style="color: #800000;">450 MHz Magnetic Mount Antenna</h2> <h3 style="color: #000000;">REN 64505 MMN</h3>
	<p>Description</p> <p>REN 64502 CM series CDMA 450 MHz Ceiling Mount Antennas deliver excellent performance in a small form factor. These are excellent choice for indoor coverage applications where an innocuous antenna is preferred.</p> <p>Application</p> <p>Ceiling Mount Antenna is ideal for indoor wireless coverage like Hotels, Airports, Conference rooms, Basements etc.</p>

PARAMETERS

Frequency Range
Gain
VSWR
Impedance
Max. Power
H/E-Plane BW
Polarization
Color
Connector
Height (Approx.)
Weight
Working Temperature

SPECIFICATIONS

450~464 MHz
5.5 dBi
 $\leq 1.5: 1$
50 Ω
50 Watts
360⁰
Vertical
Silver
SMA,TNC,N Male
< 1.2 mtr
0.1 Kg
-40⁰C - +60⁰C

Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

450 MHz Ceiling Mount Antenna

REN 64502 CM



Description

REN 64502 CM series CDMA 450 MHz Ceiling Mount Antennas deliver excellent performance in a small form factor. These are excellent choice for indoor coverage applications where an innocuous antenna is preferred.

Application

Ceiling Mount Antenna is ideal for indoor wireless coverage like Hotels, Airports, Conference rooms, Basements etc.

PARAMETERS

Frequency Range
Gain
VSWR
E-Plane Beamwidth
Polarization
Max. Power
Input Impedance
Connector
Radome Color
Diameter (Approx.)
Height (Approx.)
Weight (Approx.)
Rated Wind Velocity
Mounting way
Working Temperature
Lightning Protection

SPECIFICATIONS

450~470 MHz
2.0 dBi
 $\leq 1.5: 1$
 360°
Vertical
50 Watts
50 Ω
N (F)
White
 $\Phi 168$ mm
90 mm
0.36 Kg
210 km/hr
Fix with nut
 $-40^{\circ}\text{C} - +60^{\circ}\text{C}$
DC Ground

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

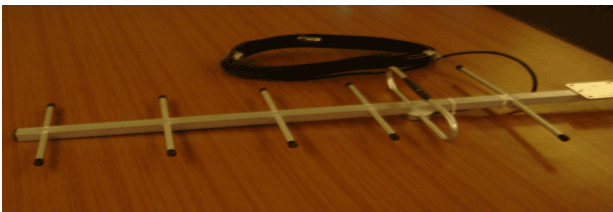
450 MHz Yagi Antenna

REN 64511 YN

Description

REN 64511 YN series high performance Yagi Antennas features high gain and is ideally suited for directional applications operating in CDMA 450~470 MHz frequency band. The unique design of this Antenna allows it to be installed for either vertical or horizontal polarization.

Application



It is primarily designed for use in CDMA 450 MHz (450~470 MHz) band for boosting signal in both uplink and downlink by providing 11.0 dBi gain. Made in excellent finish, withstanding tough environment and at low cost it provides high performance. These antennas can be easily mounted on poles at subscriber ends. These are available with choice of connectors i.e. N, TNC, SMA. For convenience of installation these can also be supplied with 15 Mtr cable to extend to FWTs. The antenna is supplied with Stainless Steel mounting brackets & fasteners.

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***

PARAMETERS

SPECIFICATIONS

Frequency Range	450~470 MHz
Gain	11.0 dBi
VSWR	< 1.5: 1
Bandwidth	20 MHz
H-Plane Beamwidth	61 ⁰
E-Plane Beamwidth	50 ⁰
Front to Back Ratio	≥15 dB
Polarization	Vertical
Max. Power	100 Watts
Impedance	50 Ω
Connector	N (F)
Height (Approx.)	885 mm
Weight (Approx.)	1.35 Kg
Cable Length	15 Mtrs
Cable Lose	4.5 dB
Structure	6 Elements
Rated Wind Velocity	210 Km/hr
Working Temperature	-40 ⁰ C - +60 ⁰ C
Lightning Protection	DC Ground

***Note: Mounting Hardware and Brackets are supplied with Antenna
WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT***