

## HBR 3.5 GHz 8x8 MIMO Panel Antenna

Product Code

8XPA-3342-15.432

Polarisation

8x8 MIMO

Design Type

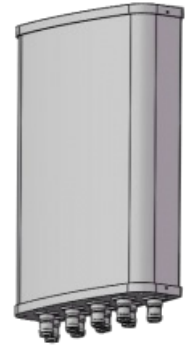
Panel / Sector

Application Category

Small Cell

RF Category

Cellular



The HBR 8XPA-3342-15 is a medium-high gain 8x8 MIMO small cell antenna designed to operate on Sub-6 GHz 5G bands from 3300 to 4200 MHz. With low PIM rating this operator-grade antenna is ideal for 8x8 NR small cell deployments and is provided standard with 4.3-10 Female input connectors, with other options available on request.

- 4G LTE, 5G NR bands 3300 to 4200 MHz
- UV stable PVC radome
- XXXX-Pol 8x8 MIMO
- Ideal for both commercial and operator deployments
- Heavy duty galvanised mechanical tilt bracket
- 4.3-10 Female input connectors, customisable.

### ▼ Antenna Technical Data

#### Physical Characteristics

Construction Material	Polyvinyl Chloride (PVC)	RF Connections	8
Radome Colour	RAL 7047 Telegrey 4	Environmental Rating	IP65
Dimensions	550 x 280 x 80 mm (L x W x D)	Operating Temperature	-40 °C to 70 °C
Weight	3.8000 kg	Mounting	Pole or Wall, adjustable

### ▼ Cellular MIMO-1 to MIMO-8 Element

#### Electrical Specifications

Input Impedance 50 Ω

Polarisation Dual Slant ±45°

#### Mechanical Specifications

Input Connector 4.3-10

Input Connector Gender Female

## Electrical Specifications

## Mechanical Specifications

Max. Input Power

Cable Series

-

PIM, 3rd Order

-107 dBc

Cable Length

-

### ▼ Range: 3300 to 3400 MHz

Peak Gain 14.50 dBi

Azimuth Beamwidth 95°

VSWR 1.5:1

Elevation Beamwidth 9°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio > 25 dB

Inter-Port Isolation > 20 dB

Cross-Polar Discrimination -

Cross-Polar Isolation > 25 dB

### ▼ Range: 3400 to 3600 MHz

Peak Gain 15.00 dBi

Azimuth Beamwidth 90°

VSWR 1.5:1

Elevation Beamwidth 9°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio > 25 dB

Inter-Port Isolation > 20 dB

Cross-Polar Discrimination -

Cross-Polar Isolation > 25 dB

### ▼ Range: 3600 to 3800 MHz

Peak Gain 15.00 dBi

Azimuth Beamwidth 85°

VSWR 1.5:1

Elevation Beamwidth 9°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio > 25 dB

Inter-Port Isolation > 20 dB

Cross-Polar Discrimination -

Cross-Polar Isolation > 25 dB

### ▼ Range: 3800 to 4200 MHz

Peak Gain 15.50 dBi

Azimuth Beamwidth 80°

VSWR 1.5:1

Elevation Beamwidth 9°

Radiation Efficiency No Data

Electrical Tilt 0°

Front-to-Back Ratio	> 25 dB	Inter-Port Isolation	> 20 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	> 25 dB

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