Antennas for 5 GHz

The Signamax Antennas are designed by Signamax for the 5 GHz communication system. After structure optimized and being tuned carefully, it has excelent performance such as very good VSWR, high gain nad big F/B Ratio etc. The strong structure and small dimension make it easy to install. Each antenna is tested by HP network analyzer strictly before delivery.

Model 065-5020

Model 065-5020

Antennas for 5 GHz communication system

PART NO.	DESCRIPTION
Antennas for 5.150 – 5.875 GHz Band	
065-5020	UNI-directional antenna, Gain 20 dBi, Band 5.150 – 5.875 GHz, Vert./Hor. pol., connector N Female
Antennas for 5.725 – 5.875 GHz Band	
065-5808	OMNI-directional antenna, Gain 8 dBi, Band 5.725 – 5.875 GHz, Vert. pol., connector N Female
065-5812	OMNI-directional antenna, Gain 12 dBi, Band 5.725 – 5.875 GHz, Vert. pol., connector N Female
065-5818	UNI-directional antenna, Gain 18 dBi, Band 5.725 – 5.875 GHz, Vert./Hor. pol., connector N Female
065-5824	UNI-directional antenna, Gain 24 dBi, Band 5.725 – 5.875 GHz, Vert./Hor. pol., connector N Female
065-5829	UNI-directional antenna, Gain 29 dBi, Band 5.725 – 5.875 GHz, Vert./Hor. pol., connector N Female
065-5832	UNI-directional antenna, Gain 32 dBi, Band 5.725 – 5.875 GHz, Vert./Hor. pol., connector N Female
Antennas for 5.400 – 5.725 GHz Band	
065-5423	UNI-directional antenna, Gain 23,5 dBi, Band 5.400 – 5.725 GHz, Vert./Hor. pol., connector N Female
065-5428	UNI-directional antenna, Gain 28,5 dBi, Band 5.400 – 5.725 GHz, Vert./Hor. pol., connector N Female
065-5431	UNI-directional antenna, Gain 31,5 dBi, Band 5.400 – 5.725 GHz, Vert./Hor. pol., connector N Female

SPECIFICATIONS

065-5020
Frequency Range: 5,150 – 5,875 MHz
Gain: 20 dBi
Vertical Beamwidth: 16°
Horizontal Beamwidth: 16°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical / Horizontal
Max Power: 100W
Dimension: 190 x 216 x 50 mm
Weight: 1.1 kg
Connector: N female
Rated Wind Velocity: 60 m/s

065-5808
Frequency Range: 5,725 – 5,875 MHz
Gain: 8 dBi
Vertical Beamwidth: 16°
Horizontal Beamwidth: 360°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical
Max Power: 100W
Dimension: ≥20 x 350 mm
Weight: 200 g
Connector: N female
Rated Wind Velocity: 60 m/s

065-5812
Frequency Range: 5,725 – 5,875 MHz
Gain: 12 dBi
Vertical Beamwidth: 7°
Horizontal Beamwidth: 360°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical
Max Power: 100W
Dimension: ≥20 x 540 mm
Weight: 500 g
Connector: N female
Rated Wind Velocity: 60 m/s

065-5818
Frequency Range : 5,150 – 5,350/
5,725 – 5,875 MHz
Gain: 18 dBi
Horizontal Beamwidth: 40±5°
Vertical Beamwidth: 40±5°
F/B Ratio: 15 dB
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical
Max Power: 100W
Connector: N female
Dimension: 190 x 216 x 50 mm

065-5824
Frequency range: 5,725 – 5,875 MHz
Gain: 24 dBi
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max Power: 100W
Connector: N Female
Horizontal Beamwidth: 9°
F/B ratio: ≥30 dB
Diameter: 0.4 m
Weight: 3 kg

065-5829
Frequency range: 5,725 – 5,875 MHz
Gain: 29 dBi
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max Power: 100W
Connector: N Female
Horizontal Beamwidth: 6°
F/B ratio: ≥35 dB
Diameter: 0.6 m
Weight: 5 kg

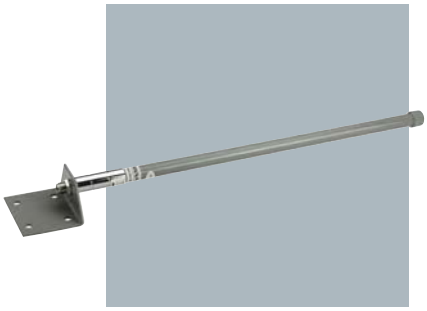
065-5832
Frequency range: 5,725 – 5,850 MHz
Gain: 32.5 dBi
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max Power: 100W
Connector: N Female
Horizontal Beamwidth: 4°
F/B ratio: ≥38 dB
Diameter: 0.9 m
Weight: 10 kg

065-5423, 065-5429, 065-5431
Freq. Range: 5,400 – 5,725 MHz
Gain: 23.5, 28.5, 31.5 dBi
Hor. Beamwidth: 9, 6, 4°
Vert. Beamwidth: 9, 6, 4°
F/B Ratio: ≥30, ≥35, ≥38 dB
VSWR: ≤1.65
Input Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max. Power: 100W
Connector: N Female
Diameter: 0.4, 0.6, 0.9
Weight: 3, 5, 10 kg


Model 065-5423


Model 065-5431


Model 065-5832


Model 065-5808