ACCESSORIES / ANTENNAS

O3B-6P-R

Tri-band six-port omnidirectional antenna

Combine 2.4, 5 and 6 GHz radio applications in one omnidirectional antenna assembly with six RF connections.



Three frequency bands

6 dBi at 2.4 GHz and 8 dBi at both 5 and 6 GHz.

Six RF ports

RP-SMA or RP-TNC connector configurations.

Outdoor mounting

ABS radome with mounting for 30-50 mm poles.

3 BANDS	6 PORTS	360°	1.5 kg
2.4 / 5 / 6 GHz	RF CONNECTIONS	HORIZONTAL COVERAGE	WEIGHT

Complete the radio installation.

Radio compatibility

Match the antenna frequency bands and RF ports to the radio.

Coverage planning

Select polarization and beamwidth for the intended coverage area.

Installation details

Verify connector configuration, mounting and RF cabling.

Select an RF configuration compatible with the radio frequency bands, connector type and port count.

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TECHNICAL SPECIFICATIONS

O3B-6P-R

Electrical & RF

Product type	Tri-band omnidirectional antenna
Frequency range	2,400-2,485 MHz · 5,150-5,850 MHz · 5,900-7,125 MHz
Gain	6 dBi · 8 dBi · 8 dBi
RF ports	6
Connector options	6× RP-SMA or RP-TNC
Horizontal beamwidth	360°
Vertical beamwidth	55° at 2.4 GHz · 30° at 5 GHz · 30° at 6 GHz
Polarization	Linear · Vertical
Port isolation	>20 dB
VSWR	<2.0 on all bands
Maximum power per port	50 W
Impedance	50 Ω

Hardware & power

Lightning protection	DC ground
Cable type	RG402

Mechanical & environmental

Dimensions	Ø180 × 200 mm
Weight	1.5 kg
Color	White
Radome material	ABS
Mounting	Pole · 30-50 mm diameter
Operating temperature	-40 to +70 °C

Ordering information

Model	O3B-6P-R
Package contents	Available on request

Select an RF configuration compatible with the radio frequency bands, connector type and port count.

October 2026 / Refined edition

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