

Buccaneer® Antenna

SMB ANTENNA



- Dust & waterproof to IP68 EN60529 when mated
- Secure screw thread locking
- Built-in sealed antenna
- Single hole fixing
- Mates with SMB Buccaneer PX0414

The Buccaneer Antenna is a robust and completely waterproof medium gain antenna that has been specifically developed for the 2.4 to 2.5GHz frequency band.

Integrating the antenna with its waterproof connector can reduce the total number of connectors in the RF chain, reducing insertion losses, effectively increasing the total system gain.

Typical application areas are base stations and outdoor hotspot installations, specifically for wireless LAN, GSM, Bluetooth, Zigbee, instrumentation and telemetry equipment.

Part no.	Description
PX0407	IP68 rated, Buccaneer Antenna, 2.4 to 2.5GHz frequency band

SPECIFICATION

Electrical:	
Frequency	2.4 - 2.5GHz
Configuration	Quarter Wavelength
Typical Gain	2dBi
Radiation	Omnidirectional
Polarization	Vertical
Impedance	50Ω nominal
VSWR	<2
Mechanical:	
Sealing	IP68, EN60529, when mated
Operating Temperature:	-20°C to +65°C
Material:	
Body Mouldings	PVC
Flammability Rating	UL94V-0
UV Resistance	EN50021:1999
RoHS	Compliant

Designed to the same style as Bulgin's 400 Series Buccaneer, the sealed antenna with its integrated SMB connector has an overall diameter of just 19mm with a panel fixing hole of 16mm diameter. Rated at IP68, it provides complete protection from harsh environments, and all electrical connections are gold plated to ensure system performance and reliability is maintained.

The panel connector, PX0414, with an SMB jack, is supplied with RG-174 cable already terminated in lengths of 0.5m, 1.0m and 1.5m, this provides fast assembly to the panel and only requires termination into the equipment.

Having a two-part solution of the removable antenna and panel connector makes installation and testing a much simpler process, whilst also ensuring that the environmental seal and enclosure integrity are maintained.

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