

Introducing
the SMB range

Electrooustic Ltd

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The SMB Antenna is a sealed, waterproof antenna engineered for three major frequency bands, covering wireless LAN, Bluetooth, Zigbee, GSM/ cellular and general purpose radio applications.

Available in standard antenna and new 90° design, the Bulgin SMB Antenna offers a wireless data solution complete with protection from harsh environments whilst maintaining the sealing integrity of equipment

- Secure screw thread coupling
- Dust & waterproof to IP68
- Gold plated electrical connections
- Mates with SMB Buccaneer panel mount
- Popular Frequency Bands
 - 2.4GHz – 2.5GHz
 - 440 to 470MHz
 - 850-900/1800/1900MHz

Why Choose Antenna?

Two-part solution with removable antenna and panel connector to simplify the installation and testing process, all whilst ensuring sealing and enclosure integrity are maintained.

Potentially reduces total number of connectors in the RF chain, reducing insertion losses and increase system gain.

Provides quick assembly to the panel and only requires termination into the equipment

IP68 rated for harsh environments, providing exceptional protection where water and dust ingress must be avoided.

NEW 90° SMB version to offer further flexibility for design and mounting options

Applications...

Commercial and Domestic Buildings

- Smart metering systems
- Wireless load sensors

Water analysis and sewerage

- Data loggers

Surveillance

- Aerial Mapping

Food Processing & Packaging

- Printing equipment

Industrial, Scientific and Medical Radio (ISM)

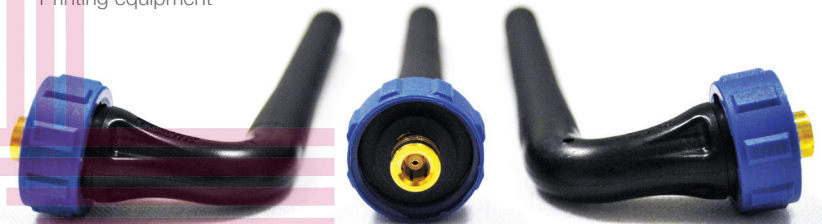
- Instrumentation
- Telemetry System

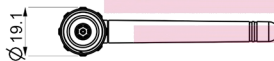
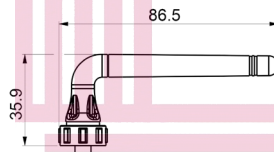
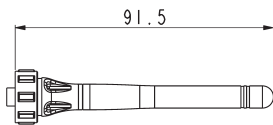
Data/ Telecoms

- Base Stations
- Outdoor hotspot installations

Marine

- Water sealed Camcorders
- Electronic diving equipment





- ⬡ Dust & waterproof to IP68 EN60529 when mated
- ⬡ Secure screw thread locking
- ⬡ Built-in sealed antenna
- ⬡ Mates with SMB Buccaneer panel mount (PX0414)
- ⬡ Frequency bands:
2.4 to 2.5GHz
440 to 470MHz
900/1800/1900MHz

Specifications

Electrical

Frequency

PX0407	2.4 to 2.5GHz
PX0408	440 to 470MHz
PX0409	850-900/1800/1900MHz

Configuration

PX0407	¼ Wavelength
PX0408	½ Wavelength
PX0409	½ Wavelength

Radiation

Omnidirectional

Polarization

Vertical

Impedance

50Ω nominal

VSWR

<2

Mechanical

Sealing

IP68, EN60529:1992+A2:2013, when mated

Operating Temperature:

-20°C to +65°C

Salt Mist

EN60068-2-52 Test Ka Salt Mist (Cyclic)

Marine Severity Level 1

Material

Body Mouldings

PVC

Flammability Rating

UL94V-0

UV Resistance

EN50021:1999

RoHS

Compliant

Part no.

Description

PX0407	IP68 rated, Buccaneer Antenna, 2.4 to 2.5GHz frequency band
PX0408	IP68 rated, Buccaneer Antenna, 440 to 470MHz frequency band
PX0409	IP68 rated, Buccaneer Antenna, 900/1800/1900MHz frequency band
PX0407/90	IP68 rated, Buccaneer Antenna, 2.4 to 2.5GHz frequency band
PX0408/90	IP68 rated, Buccaneer Antenna, 440 to 470MHz frequency band
PX0409/90	IP68 rated, Buccaneer Antenna, 900/1800/1900MHz frequency band
PX0414	IP68 rated, Buccaneer Antenna, Panel Mount



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