

# 2.4GHz Antennas

*For ZigBee, 802.15.4, Bluetooth  
& WiFi Applications*

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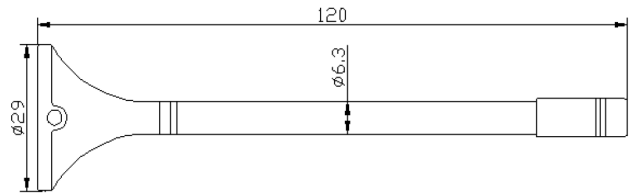
**GLYN**  
High-Tech Distribution

# 2.4GHz Antenna



## MODEL

**Model:** AGS069



## SPECIFICATION

### Main Technical Specifications

Frequency	2400 - 2500MHz
Bandwidth	100MHz
VSWR	$\leq 2 : 1$
Gain	2dBi
Polarization Type	Vertical
Input Impedance	50 $\Omega$
Dimensions	$\Phi 6.3 \times 120$ mm, base $\Phi 29$ mm
Connector Type	SMA / MMCX or others
Cable Type	RG174
Cable Length	1m / 3m or others
Plastic Housing	Black
Mounting	Magnetic

# 2.4GHz Antenna

Bluegiga-recommended antenna for WT11-E module  
FCC certified and listed antenna

bluegiga



## MODEL

**Model:** EAD BT-Blade™



## Features

- ✓ Ground plane independent design
- ✓ Protective cover provides durability
- ✓ Ideal for telematics/telemetry applications
- ✓ Various cable/connector options

## SPECIFICATION

### Main Technical Specifications

Frequency	2400 – 2500MHz
Bandwidth	100MHz
Radiating element	Single band monopole with own ground plane
Peak Gain	2dBi
Polarisation	Linear
Return Loss	-7dB
Power Rating	10W
Cable / Connector	RGB174 with MMCX connector – other options available
Dimensions	72 × 19 × 7mm (max)

### Ordering Options

- FBT35009-MR-2K BT-Blade with 2m RG174 cable and right-angle MMCX
- FBT35009-SM-2K BT-Blade with 2m RG174 cable and SMA-Male
- FBT35009-FM-2K BT-Blade with 2m RG174 cable and FME-Female

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# 2.4GHz Antenna

Bluegiga-recommended antenna for WT11-E module  
FCC certified and listed antenna



## MODEL

**Model:** EAD BT-Stubby™



## Features

- ✓ External mount antenna
- ✓ Stubby with SMA Male connector
- ✓ Straight or right-angle
- ✓ Ideal for fixed applications

## SPECIFICATION

### Main Technical Specifications

Frequency	2400MHz
Radiating element	Wire
Peak Gain	0dBi
Polarisation	Linear
VSWR	2 : 1
Impedance	50Ω
Cable / Connector	SMA Male – straight or right angle connector
Dimensions	Straight: 32 × 8mm (incl. SMA) Right-angle: 34.5 × 8mm (excl. SMA)

### Ordering Options

■ FBTS35024-SM-ST

BT-Stubby with straight SMA-Male connector

■ FBTS35024-SM-RA

BT-Stubby with right-angle SMA-Male connector

**GLYN**  
High-Tech Distribution

# 2.4GHz Antenna

Bluegiga-recommended antenna for WT11-E module  
FCC certified and listed antenna



## MODEL

**Model:** EAD BKR2400™



## Features

- ✓ External mount antenna
- ✓ Ground plane independent
- ✓ SMA Male connector
- ✓ Knuckle for straight or right-angle
- ✓ Ideal for fixed applications

## SPECIFICATION

### Main Technical Specifications

Frequency	2400 MHz
Radiating element	1/2 wave dipole
Peak gain	2dBi
Polarisation	Linear
VSWR	2 : 1
Impedance	50Ω
Cable / Connector	SMA Male knuckle
Dimensions	138 × 13mm (length × diameter)

### Ordering Options

- FBKR35068-SM-KR BKR2400 with SMA-Male knuckle connector
- FBKR35068-RS-KR BRK2400 with RP-SMA connector

# 2.4GHz Antenna

*Covered blade fixed mount antenna*



## MODEL

**Model:** EAD C-Blade™



## Features

- ✓ Ground plane independent design
- ✓ Protective cover provides durability
- ✓ Mounting bracket for fixed applications
- ✓ Various cable/connector options

## SPECIFICATION

### Main Technical Specifications

Frequency	2400 – 2500MHz
Radiating element	Single band monopole with own ground plane
Peak gain	2dBi
Polarisation	Linear
Return loss	-7dB
Power rating	10W
Cable / Connector	RG174 with MMCX connector – other options available
Dimensions	92 × 19 × 7mm (max)

### Ordering Options

■ FCB35037-MR-2K	C-Blade with 2m RG174 cable and right-angle MMCX
■ FCB35037-SM-2K	C-Blade with 2m RG174 cable and SMA-Male
■ FCB35037-FM-2K	C-Blade with 2m RG174 cable and FME-Female

# 2.4GHz Antenna

*Very low profile external mount antenna*



## MODEL

**Model:** EAD Z-Top™



## Features

- ✓ Low profile – only 14mm high
- ✓ Ground plane independent
- ✓ SMA bulkhead connector underneath
  - Vending, Kiosks, Telemetry
- ✓ Designed for external mounting
- ✓ Incorporates Star-H technology

## SPECIFICATION

### Main Technical Specifications

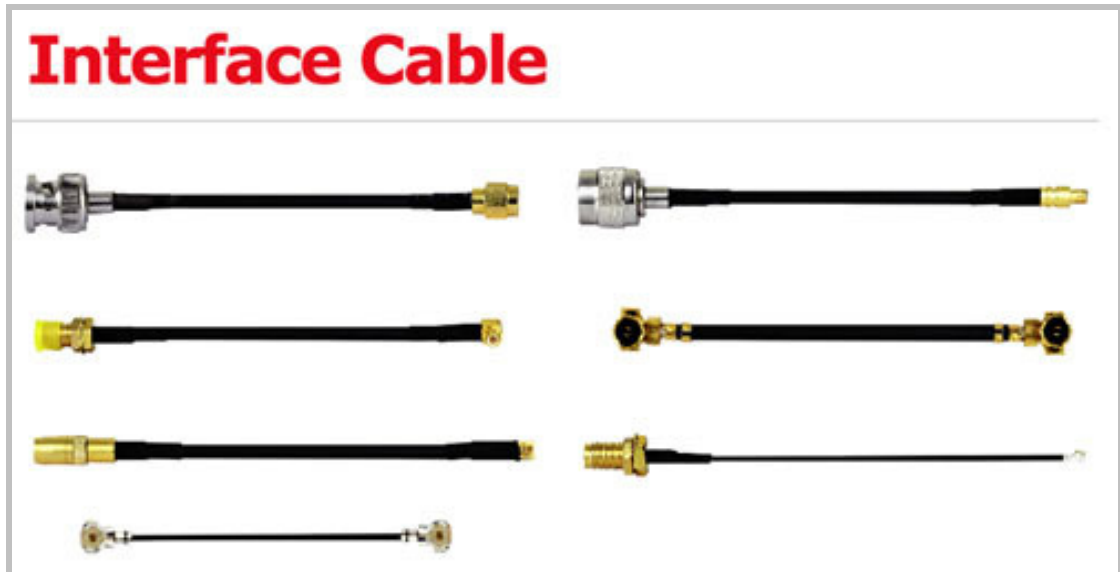
Frequency	2400 – 2500MHz
Radiating element	Split monopole radiator
Peak gain	1 dBi
Polarisation	Linear - Vertical
VSWR	< 1.8 : 1 (typical)
Power rating	≤ 50W
Temperature range	-40 to +85°C
Dimensions	83 × 14mm (diameter / height)

### Ordering Options

■ FZTP35095-SFP-XX

Z-Top antenna with SMA Female bulkhead connector

# Interface Cables



## Ordering Options – for Jennic module



- INTCABLE4 SMA Female to SMA Male connectors with 15cm interface cable
- INTCABLE5 UFL to SMA Female connectors with 15cm interface cable

## Ordering Option – for Bluegiga modules



- INTCABLE5 UFL to SMA Female connectors with 15cm interface cable
- INTCABLE11 WFL Male to SMA Female straight chassis connector with 15cm int. cable

Various connector types and cable lengths available on request

