

## WPANT10008

### Dual-band Wi-Fi Embedded Antenna



WPANT10008-SA

8" micro co-ax with IPX MHF connector

*Note: Different cable and connector style requests can be accommodated.*

### Application

This plug and play dual-band stamped metal antenna is designed to be mounted on to metal surfaces. The antenna comes with an 8" long micro co-ax cable and IPX / Hirose equivalent connector.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	2.4 – 2.5 GHz	4.9 – 5.85 GHz
<b>Approximate Antenna Impedance [Ω]</b>	50Ω	50Ω
<b>VSWR (Typical)*</b>	< 2:1	< 3:1
<b>Peak Gain [dBi] (Typical)*</b>	1.5 dBi	5 dBi
<b>Efficiency [%] (Typical)*</b>	70 %	65 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni-directional	Near Omni-directional
<b>Mounting Platform</b>	Can be mounted to any Metal Surface	Can be mounted to any Metal Surface

\*Note: These performance metrics were recorded with the Antenna installed on a circuit board, with the board layout as prescribed in the Application Notes (please refer to the Application Notes).

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	0.83" x 0.35" x 0.24" (21mm x 9mm x 6mm)
<b>Antenna Color</b>	Metallic Silver
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

Pictures

