



WIRELESS BUSINESS UNIT

ENGINEERING ANTENNA SOLUTIONS








- Sleek, Multi-band antennas.
- Broadband, efficient and available for different frequencies (Single and Multi-band applications).
- Some of these antennas have minimum ground plane requirements. Application support is provided upon request.
- Available with custom cables and connectors.

ENGINEERING ANTENNA SOLUTIONS

Chip Antenna

- 
WPANT10053-C1A
- 
WPANT10001-SB
- 
WPANT10004-SB
- 
WPANT10005-SB

Flex

- 
WPANT10018-CB
- 
WPANT10038-C4B
- 
WPANT10020-CB

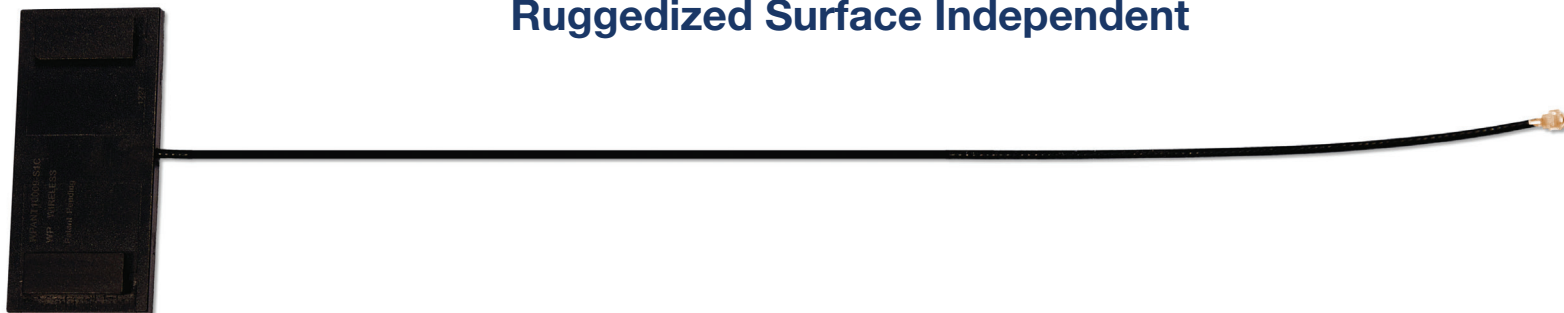
Stamped Metal

- 
WPANT10007-SA
- 
WPANT10032-C1A

High Gain Patch

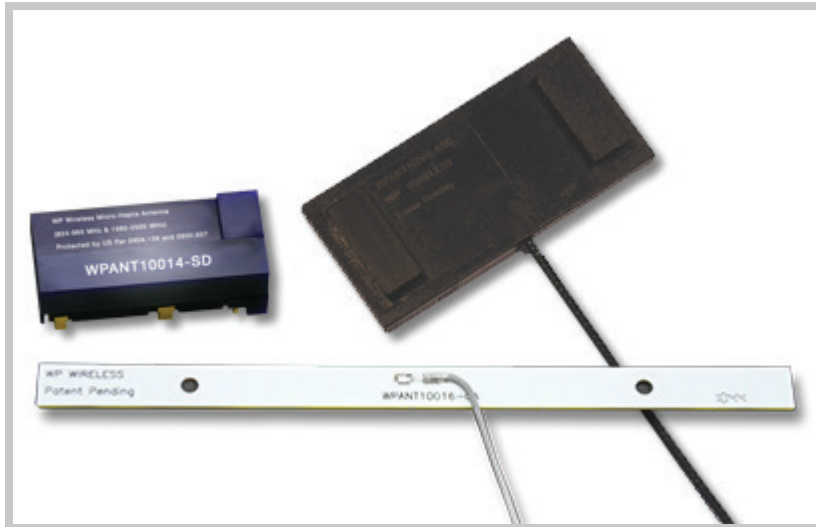


Ruggedized Surface Independent



WPANT10010-S1A

ENGINEERING ANTENNA SOLUTIONS



- Compact and Conformal Designs which pass PTCRB & FCC in Cellular or ISM Devices/Applications.
- Broadband, efficient and available for different frequencies (Single and Multi-band applications).
- Some even have Hepta-band and Penta-band operation.
- Perfect choice for M2M, Enterprise and Industrial applications.
- Application notes and integration support available.

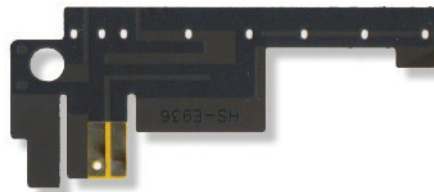
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Micro Hepta



WPANT10014-SD

Penta/Quad/Dual Band



Ruggedized Surface Independent



WPANT10009-S1C



WPANT10016-CA

ENGINEERING ANTENNA SOLUTIONS



- Single and Multi-band configurations.
- Glass mount and Magnetic mount styles available for both indoor and outdoor applications.
- Up to 3m long cable lengths and longer, if needed. Customizable with different RF Connectors.
- Numerous applications including AMI/AMR, Automotive, M2M, Infrastructure backhaul, location & tracking.
- Application Notes and Integration Support available.
- Extremely Durable and Weather Resistant.

AVAILABLE IN VARIOUS FORM FACTORS.

ENGINEERING ANTENNA SOLUTIONS



AVAILABLE IN VARIOUS FORM FACTORS.

ENGINEERING ANTENNA SOLUTIONS



- Broadband, efficient and available for different frequencies (Single and Multi-band applications).
- Operates in several frequency bands including 4G/3G Cellular, ISM, WiFi, and GPS.
- Available with custom cables and connectors.
- Extremely Durable and Weather Resistant.
- Application notes and Integration Support available.

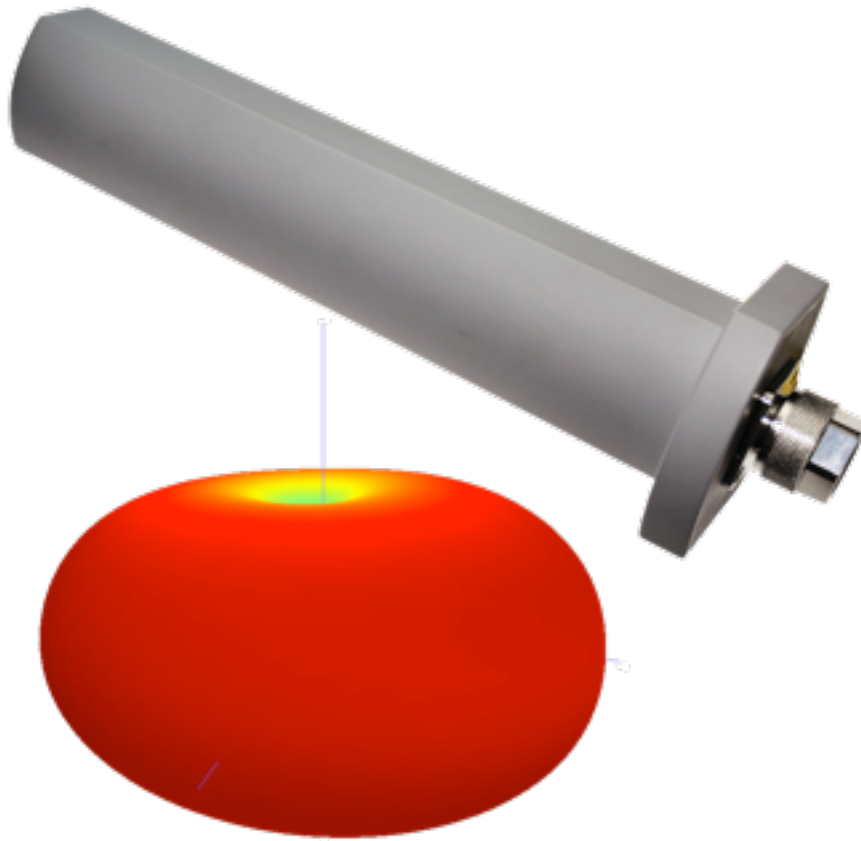
AVAILABLE IN VARIOUS FORM FACTORS.

ENGINEERING ANTENNA SOLUTIONS



AVAILABLE IN VARIOUS FORM FACTORS.

ENGINEERING ANTENNA SOLUTIONS



AVAILABLE IN VARIOUS FORM FACTORS.

- Designed for Access Points and Repeater type applications.
- Pure Omni directional coverage pattern with very high Radiation Efficiency.
- Medium to High peak gains.
- Available in either Single or Multi-band configurations.
- Popular Choice for Cellular, ISM band, WiFi and WiMax Applications.
- Connector and Mounting can be customized to customer specifications.
- Extremely Durable and Weather Resistant.

ENGINEERING ANTENNA SOLUTIONS



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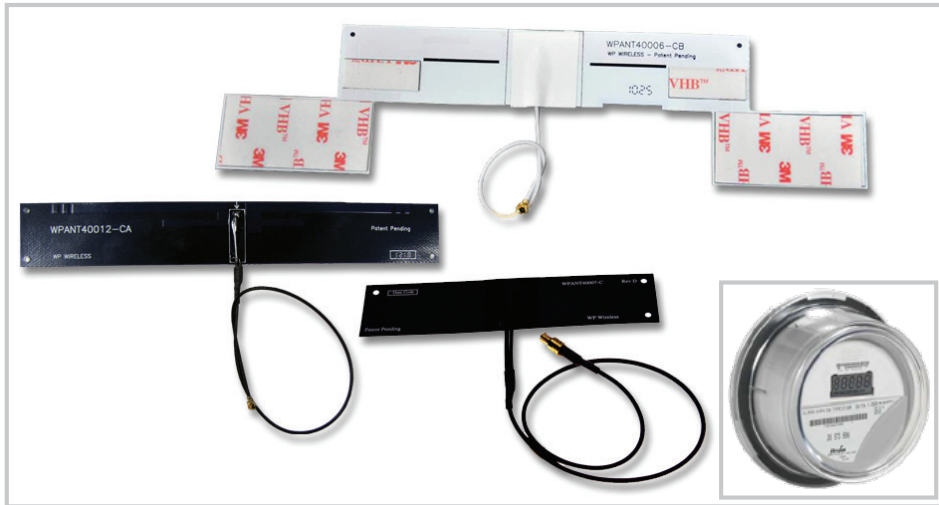


- 2 x 2 and 3 x 3 MIMO Antennas.
- Radiating elements and their positioning optimized for optimal MIMO performance.
- Improve your throughput and data rates and eliminate blackouts.
- Custom design requests can be considered.

ENGINEERING ANTENNA SOLUTIONS

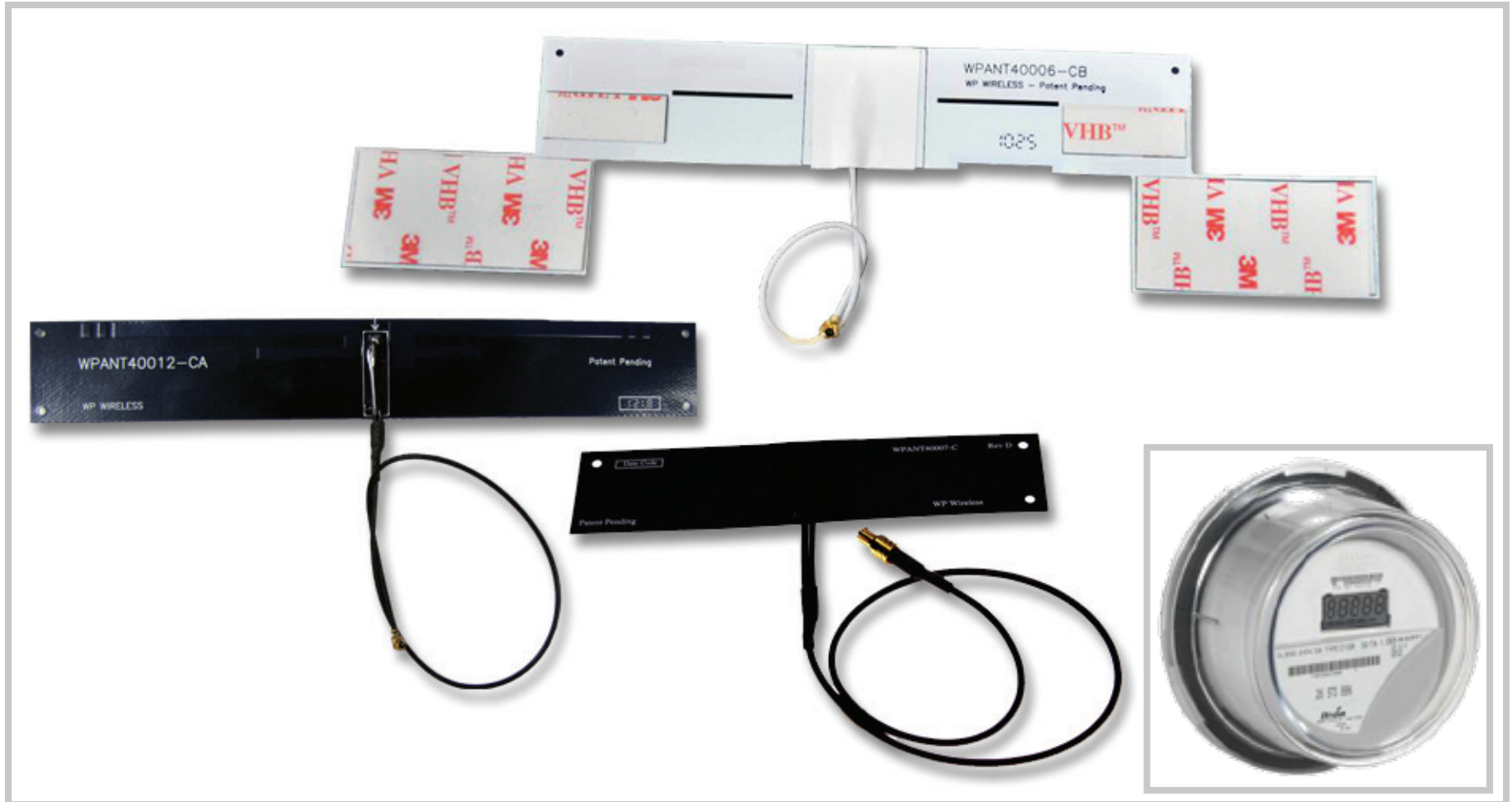


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- Designed for use in Electric Meters.
- Available in both Single and Multi-band configurations including Cellular, ISM, ZigBee, WLAN, etc.
- Different versions available for different electric meters (GE, Landis+Gyr, Itron, Elster, etc.).
- Cable type/length, connector type, PCB size, etc. can all be customized.

ENGINEERING ANTENNA SOLUTIONS



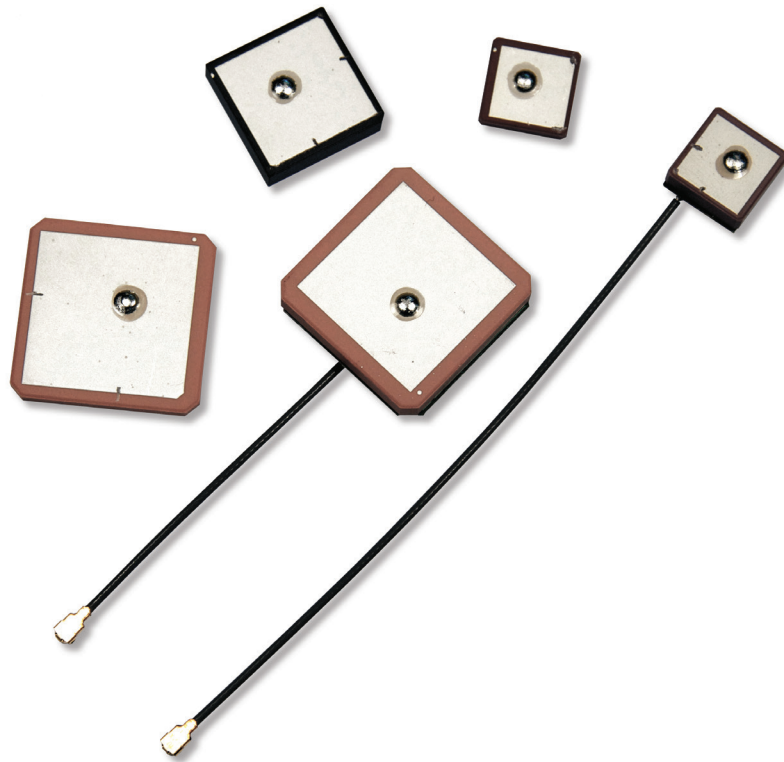
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ENGINEERING ANTENNA SOLUTIONS



- Sizes ranging from 10 x 10 to 25 x 25mm and larger if needed.
- High gain, Single & 2 stage LNA, SAW Filters, Circular Polarization, Good S/N Ratio.
- Available in different cable and connector styles.
- Applications include location and navigation devices, SMART phones, notebooks, vehicle tracking applications, etc.

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PASSIVE PATCH



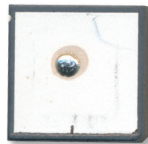
WPANT60010-R2A
10 x 10 x 4



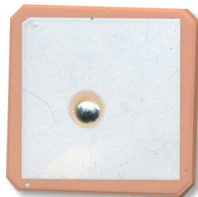
WPANT60012-R1A
12 x 12 x 4



WPANT60015-R1A
15 x 15 x 2

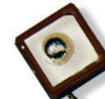


WPANT60018-R1A80
18 x 18 x 4

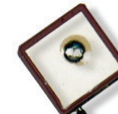


WPANT60025-R2A
25 x 25 x 2

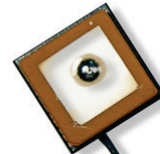
ACTIVE MODULES



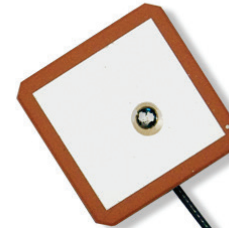
WPANT65010-R1A
10 x 10 x 4



WPANT65012-R1A
12 x 12 x 4



WPANT65015-R1A
15 x 15 x 4



WPANT65025-R3A
25 x 25 x 4

ENGINEERING ANTENNA SOLUTIONS



- Available in multiple frequencies up to Penta-band.
- Cost effective solution for wireless devices that do not require conformal antennas.
- Antenna actual performance depends on the overall wireless system integration.

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