

PCTEL® Antennas for On-Board Locomotive and Mobile Applications



From locomotive antenna farms to custom multiport, multiband, and precision GPS antennas, PCTEL is uniquely prepared to meet the increasing need for highly advanced antenna technologies for mobile rail applications.

As the leader in precision GPS antenna technology, PCTEL provides reliable wireless connectivity for remote monitoring, communications, and Positive Train Control (PTC).



Multiband Antennas

The GL125-DLTEMIMO antenna meets the stringent requirements of rail transportation applications. Features include two 4G LTE for PTC networks, dual band 802.11ac WiFi MIMO with two WiFi elements, and PCTEL's proprietary high-rejection, multi-constellation GNSS L1-L2-L5 technology.



Low-Profile Wideband Rail Antennas

PCT-RSA omnidirectional antennas are roof-mounted on locomotive or railroad vehicles and are built to withstand harsh environmental conditions.



Low-Profile Antennas

MLPV antennas for mobile and fixed applications provide industry-leading wideband performance and reliability across frequencies from 380 MHz to 6 GHz. Multiband versions are also available. Antennas can be purchased separately, or as a kit assembly with the MVPHP mount.



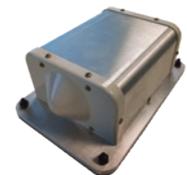
Multi-GNSS High Performance Antennas

The GNSS-L125-TNC and GNSS-L125-40TNC are tested and approved to meet strict AAR environmental standards. Both feature multi-stage LNA and advanced filtering of adjacent band interference. The GNSS-L125-40TNC comes with a 5-year warranty and 40dB-typical high gain.



Bi-Directional Train Top Antennas

The PCT-RSABD-DP bi-directional antenna is designed to survive high vibration rail installations and can be roof-mounted on locomotive and passenger cars.



Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for decades, we solve complex wireless challenges to help organizations stay connected, transform, and grow.

For more information about PCTEL precision antennas, contact your sales representative or visit pctel.com/antenna-products

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