

PCTEL® 5G CELLULAR ANTENNAS



PCTEL's 5G ready, high quality purpose-built antenna solutions help you accelerate your deployment or transition to 5G. Designed to ensure continuous coverage and deliver reliable performance, our antennas support the high speed requirements of RF communication systems used for both indoor and outdoor applications.



Platform	MLPV	GL7X1-IOT	Coach™ II
PCTEL Part #	BMLPV5000 BMLPV5000-VP	GL7X1-IOTCM-5FT	GL9X1AX-SF GL7X1AX-SF GL6X1AX-SF GL4X4-SF-PLK
Frequency Ranges	618 - 960 MHz 1427 - 1518 MHz 1710 - 2170 MHz 2300 - 2700 MHz 3300 - 4200 MHz 4400 - 5000 MHz 4900 - 5985 MHz	600 MHz - 6 GHz 2.4 - 2.5 GHz 4.9 - 5.9 GHz 1565 - 1608 MHz	600 MHz - 6 GHz 2.4 - 2.5 GHz 4.9 - 5.9 GHz 1565 - 1608 MHz
Description	5G NR (FR1) Low Profile Vertical Antenna <ul style="list-style-type: none"> • Attractive, low-profile design • Multiband coverage with no tuning required • Environmentally tested to MIL-STD-810-G, SAE J1455 and IEC 68-2-32 • N female termination option (-VP) available 	Cabinet Mount Combination Antenna 5G Ready Multiband, Multi-Port Design <ul style="list-style-type: none"> • Highly efficient performance and reliable coverage of multiple cellular carriers and Wi-Fi networks • UV-stable high impact glass fiber reinforced (GFR) radome • IP67 compliant for maximum protection against water or dust ingress • Proprietary high rejection filtering • Adhesive VHB tape for permanent mount vandal resistant installations 	5G FR1 GNSS Multiband antenna <ul style="list-style-type: none"> • Superior out-of-band rejection • Easy installation and/or replacement • IP67 compliant design with custom overmolded gasket protects against water or dust ingress • EN 50155:2007; AAR compliant • Multiband coverage
Applications	<ul style="list-style-type: none"> • Intelligent Transportation Systems (ITS) • Industrial IoT 	<ul style="list-style-type: none"> • Intelligent Transportation Systems (ITS) • Remote Monitoring • Industrial IoT 	<ul style="list-style-type: none"> • Intelligent Transportation Systems (ITS) • Industrial IoT • DSRC • Tracking and asset management

5G CELLULAR ANTENNAS



Platform	Trooper™ TRP-20INT	PCTPH	PLTE
PCTEL Part #	TRP-20INT-3-B TRP-20INT-5-B TRP-20INT-6-B	PCTHP-CBRS-4-NF	PLTE7027M
Frequency Ranges	600 MHz - 6 GHz 2.4 - 2.5 GHz 4.9 - 5.9 GHz 1565 - 1608 MHz	3.3 - 4.2 GHz	698 - 960 MHz 1710 - 2700 MHz
Description	Multiband 5G Cellular & 802.11ac Antennas with High Rejection GPS/GLONASS <ul style="list-style-type: none"> No field tune, multiband coverage Designed for raised rooftop rib installation Patent-pending flexible gasket geometry for installation flexibility along the center rib of the vehicle's rooftop, with improved clearance for mounting hardware Patent-pending, watershed conformable gasket construction reduces freeze-thaw potential and optimizes the seal between the radome and baseplate for reliable ingress protection 	Ultra Flat Ceiling Mount Antenna <ul style="list-style-type: none"> Aesthetically pleasing, low-profile housing N Female connector termination Single stud mount cable exit for installation ease UL94 V0 listed materials and Plenum rated cable for compliance to strict building safety code specifications 	Dual Polarization 4G/5G MIMO Directional Panel Antenna <ul style="list-style-type: none"> MIMO broadband directional coverage for optimal coverage Rugged, heavy-duty articulating mount IP67 compliant waterproof vented design; Indoor and outdoor rated Ease of installation and connection: Dual slant polarized or V/H polarization mounting options; N Female bulkhead connectors
Applications	<ul style="list-style-type: none"> FirstNet® Public safety vehicles Intelligent Transportation Systems (ITS) High precision tracking and asset management 	<ul style="list-style-type: none"> In-Building and Enterprise Wireless 	<ul style="list-style-type: none"> Small cells Indoor and outdoor DAS systems Oil and gas utility sites



Platform	Trooper™	Trooper™ II	Coach™
PCTEL Part #	GLHPDLTE-LTB GLHPDLTE-LTW GLHPDLTEMIMO-LTB GLHPDLTEMIMO-LTW GLHPDM3-LTB GLHPDM3-LTW	GL9X1AX-TRB GL9X1AX-TRW	GLHPDLTEMIMO-SF GLHPDLTE-SF
Frequency Ranges	600 MHz - 6 GHz 2.4 - 2.5 GHz 4.9 - 5.9 GHz 1565 - 1608 MHz	600 MHz - 6 GHz 2.4 - 2.5 GHz 4.9 - 5.9 GHz 1565 - 1608 MHz	600 MHz - 6 GHz 1565 - 1608 MHz 2.4 - 2.5 GHz 4.9 - 5.9 GHz
Description	Trooper™ Multiband 5G Cellular & 802.11ac Antennas with High Rejection GPS/GLONASS, Compact Footprint <ul style="list-style-type: none"> No tune, multiband coverage Superior out-of-band rejection Easy installation and/or replacement IP67 housing withstands wide range of weather conditions 	5G Cellular Slender Dual Carrier GNSS Multiband Antenna <ul style="list-style-type: none"> Slender 4.6-inch footprint ideal for installations with limited surface space Easy installation and/or replacement Superior out-of-band rejection for all GNSS frequencies via proprietary filtering design IP67 compliant design protects against water or dust ingress Meets AAR certification requirements for rail applications 	Multiband 5G Cellular & 802.11ac Antennas with High Rejection GPS/GLONASS <ul style="list-style-type: none"> No tune, multiband coverage High performance, low loss cable and high quality connectors Proprietary filtering design allows wideband coverage for all GNSS frequencies IP67 compliant design protects against water or dust ingress Easy installation and/or replacement
Applications	<ul style="list-style-type: none"> Intelligent Transportation Systems (ITS) Industrial IoT High precision tracking and asset management 	<ul style="list-style-type: none"> Tracking and asset management Intelligent Transportation Systems (ITS) Critical Communications 	<ul style="list-style-type: none"> Voice and data networks Intelligent Transportation Systems (ITS) Industrial IoT



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