

Latest PCTEL Antennas



PCTEL, Inc., based in Chicago, delivers Performance Critical Telecom antenna solutions that support evolving wireless standards for cellular, private, and broadband including SCADA for oil, gas and utilities, fleet management, Industrial operations, Health care, Small cell and Network timing deployment, Defense, Public safety, Education, and Broadband access. The PCTEL High Performance Antennas cover a frequency range of 27MHz to 6GHz and offer a warranty of up to five years.

GNSMB-COV



The GNSMB-COV multi-band antenna provides optimal MIMO 4G LTE and single port 802.11ac Wi-Fi coverage in a covert, low-profile housing. The antenna also incorporates PCTEL's unique high rejection GNSS technology for global guidance and support of carrier voice and data networks. Designed for heavy construction, this antenna will withstand the most rugged applications with a sub 1-inch height profile and conduit for ease in installation.

Important Features:

- No tune, multi-band coverage: dual 4G LTE, Wi-Fi and GPS L1/Galileo E1/ GLONASS L1/Beidou B1 frequencies
- Sub 1-inch height without magnet mount adapter
- IP67 highly ruggedized design provides maximum protection against water or dust ingress under severe environmental conditions
- Proprietary filtering design allows wideband coverage while achieving superior out-of-band rejection for all GNSS frequencies
- Braided conduit for ease in installation

GPS-L125-GL12

The GPS-L125-GL12 is a multi-GNSS high performance antenna designed to meet stringent AAR environmental standards. The antenna features a multi-stacked patch design covering global GNSS frequencies, a high gain, multi-stage LNA and advanced filtering to combat the effects of adjacent band interference. The antenna has a hermetic seal, is IP67 and has a CorrSolve gasket included.



Important Features:

- Advanced Out-of-Band Filtering
- High Gain (35dB typ.)
- CorrSolve gasket included
- Great Multipath Mitigation
- IP67 ingress protection

Applications:

- PTC Rolling Stock Tracking
- Military Vehicle Tracking & Asset Tracking
- Precision Agriculture
- Differential Correction

GEO-GNSS-AC-S1



PCTEL's GEO-GNSS-AC-S1 is a robust, active, high performance antenna covering both GPS L1 and GLONASS L1 frequency bands. PCTEL's proprietary filtering design allows wideband coverage while achieving superior out-of-band rejection. This antenna is ideal for performance in critical asset tracking and network timing synchronization applications.

Important Features:

- GPS L1 & GLONASS L1 Frequencies
- Custom-Tuned Micro Helix Element
- High Rejection Filtering
- 26.5 dB Gain
- IP67* Ingress Protection

Applications

- Defense
- Radio Communications
- Handheld Devices
- Body Worn Asset Tracking
- Public Safety Emergency Responders

PCTHPMIMO-SF Series

The PCTHPMIMO-SF platform enables high data rate connectivity for fleet, rail, mass transit, public safety, and M2M applications. Each low-profile antenna model supports dual-band 2.4/5 GHz MIMO for 802.11n and 802.11ac WLAN standards, combining multiple antenna elements into one IP67-rated housing. A single stud mount cable exit simplifies permanent installations.



Important Features:

- 802.11ac MIMO Coach™ antenna supports wireless Internet of Things (IoT) applications, including:
 - Power distribution monitoring for utilities
 - Fleet connectivity for public safety, mass transit and trucking
 - Video streaming and monitoring for enterprise security and communications
- Six (6) dual-band antenna ports that support simultaneous 3x3 MIMO on both the 2.4 and 5 GHz bands for faster and less complex network field installations

Broadband Technology 2000 Ltd

Product Areas

Semiconductors	Wireless/M2M	Sensors	Power	Internet of Things
Mixed Signal IC's	Antennae	MEMS Accelerometers	Super Capacitors	Powerline Communications
Powerline Communications	GSM, GPRS & 3G Modems	MEMS Magnetic Sensors	Power Modules	Narrow & Broadband
RF Interface	3G Routers	MEMS Gyroscopes	Solid State Batteries	
Mixed Signal Active Filter	3G & GPRS Gateways	MEMS Pressure Sensors	Interconnect	
	4G/LTE	RF Microwave	Magnetics	
	GPS Tracking Units	Amplifiers	Cable Assembly	
	RF Cables	Attenuators	Connectors	
	Connectors	Switches		