

SOLUTIONS FOR WIRELESS HEALTHCARE APPLICATIONS

OUR OFFERING

- Single band, multi-band, MIMO and diversity antennas
- 802.11 (a, b, g, n), 4G, GSM and WiMAX expertise
- Aesthetically pleasing low profile antennas
- In-building and outdoor enclosure solutions
- Antennas made with UL 94-V0 listed plastic, PC boards and Plenum rated cables for compliance with safety codes
- Optimized antenna radiation patterns
- Installation flexibility: ceiling, wall, mast or surface mount options
- Outstanding in-band and out-of-band isolation for excellent data throughput
- Customized cable assemblies
- RF signal amplifiers, lightning arrestors, boosters and other accessories
- Outstanding value

OUR CAPABILITIES

- Manufacturing locations in the USA and Asia
- Top of the line SATIMO SG 24 near-field antenna test ranges with anechoic chambers
- High fidelity 3D electromagnetic simulation and mechanical design software tools
- In-house environmental test facilities
- Custom design and project management services



APPLICATIONS

- Wireless Healthcare
- mHealth
- Mobile Workstations
- Computer on Wheels (COWs)
- Wireless LANs
- Asset Tracking



PRODUCT PLATFORMS



CEILING AND WALL MOUNT ANTENNAS

- MIMO (Multiple input, multiple output) models
- Diversity models
- Multi-band/wideband models
- Above ceiling mount options



ENCLOSURES

- NEMA rated
- Recessed ceiling options
- Configurable to the RF equipment's installation requirements
- Intrinsically safe models



ACCESS POINT ANTENNAS

- Multi-band models
- Low profile housings
- OEM qualified performance
- Various connector options
- OEM qualified designs



ACCESSORIES

- Custom cable assemblies
- Lightning protectors
- Coaxial connectors and adapters
- Installation tools



IN-BUILDING AMPLIFIERS






- Booster kits
- In-building repeaters
- Cellular dual band amplifiers
- Wi-Fi amplifiers
- Amplifier accessories



MOBILE CART ANTENNAS

- Optimized performance through MIMO technology
- Low profile housing
- Adjustable mounting
- Aesthetically pleasing

PRODUCT SELECTION MATRIX

Product Series comprise various models. Not all models offer all available features. For technical details, refer to PCTEL catalog.					
	Standard Model Number	PCTMI Series	UHFM2458-6-RPC	UFDD24580303PT	PCTCMB7058NF
Radiation Pattern	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional
Polarization	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical
Multi-Band	Yes	Yes	Yes	Yes	Yes
Wideband	Yes	Yes	Yes	Yes	Yes
Standards Covered	802.11 a, b, g, n	802.11 a, b, g, n	802.11 a, b, g	GSM, E-GSM, DCS, PCS, 4G, 802.11 a, b, g	802.11 a, b, g
MIMO or Diversity	Yes, 6 or 3 port	MIMO, 6-Port	Dual Diversity	No	Two Antennas Required
UL 94-V0 Materials	Yes	Yes	Yes	Yes	Yes
Plenum Rated Cable	Yes	Yes	Yes	Sold Separately	Yes
Mounting Hardware	Stud mount and Jam Nut Included	Above Ceiling Bracket Sold Separately	Above Ceiling Bracket Sold Separately	Stud mount and Jam Nut; Screws Included	Stud mount and Jam Nut Included
Solid Surface Mount Adapter Included	No	N/A	N/A	No	Yes
Other Models in Platform?	Yes	Yes	Yes	No	Yes

Special connectorization is available upon request. Please contact PCTEL for connector options.

Product Series comprise various models. Not all models offer all available features. For technical details, refer to PCTEL catalog.					
	Standard Model Number	MCMIM24003FSMA	PCTMI Series	MPAMB SERIES	WMLPVIDB2458PT
Radiation Pattern	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional
Polarization	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical
Multi-Band	No	No	Yes	Yes	Yes
Wideband	Yes	No	Yes	Yes	Yes
Standards Covered	802.11 b, g	802.11 b, g/ 802.11 a	GSM, E-GSM, DCS, PCS, 4G, 802.11 a, b, g	802.11 a, b, g	802.11 a, b, g
MIMO or Diversity	Two Antennas Required	No	Two Antennas Required	Two Antennas Required	Two Antennas Required
UL 94-V0 Materials	Yes	Yes	Yes	Yes	No
Plenum Rated Cable	Sold Separately	N/A	Yes	Yes	N/A
Mounting Hardware Included	Screws Included	Direct mount (RP TNC interface)	Direct Connection	Stud mount and Jam Nut Included	Compatible Threaded Mounts Sold Separately
Solid Surface Mount Adapter Included	N/A	N/A	N/A	N/A	N/A
Other Models in Platform?	No	Yes	Yes	Yes	Yes

PRODUCT SELECTION MATRIX

Product Series comprise various models. Not all models offer all available features. For technical details, refer to PCTEL catalog.						
	Standard Model Number	MMSO2300PT	PCTSMI2458-3	MPMI2458RPC-6	MPMI Series	MPDD245807PT
	Radiation Pattern	Omnidirectional	Omnidirectional	Directional	Omnidirectional	Directional
	Polarization	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical
	Multi-Band	No	Yes	Yes	No	Yes, standard model
	Wideband	Yes	Yes	Yes	No	
	Standards Covered	802.11 b, g	802.11 a, b, g, n	802.11 a, b, g, n	802.11 a, b, g, n	802.11 a, b, g
	MIMO or Diversity	Two Antennas Required	MIMO, 3-port	MIMO, 6-Port	MIMO, 3-port	Dual Diversity
	UL 94-V0 Materials	No	Yes	Yes	Yes	Yes
	Plenum Rated Cable	Sold Separately	Yes	Yes	Yes	Yes
	Mounting Hardware	Stud mount and Jam Nut Included	Adjustable Monitor Bracket Included	Die Cast Articulating Wall Mount Included	Articulating Wall Mount Included	Articulating Plastic Wall Mount Bracket Included
	Solid Surface Mount Adapter Included	N/A	N/A	N/A	Surface Mountable	N/A
	Other Models in Platform?	No	No	No	No	No

Special connectorization is available upon request. Please contact PCTEL for connector options.

Product Series comprise various models. Not all models offer all available features. For technical details, refer to PCTEL catalog.						
	Standard Model Number	NEMA-C	NEMA-0	SP-RCT-004	SP-RCT-003	SP-INTR-14106
	Sizes Available	8x6x4 10x8x4 12x10x6 14x12x6 16x14x8 18x16x12	8x6x4 10x8x4 12x10x6 14x12x6 16x14x8 18x16x12	24x24x5	24x12x5	14x10x6
	Power Options	POE & 110V	POE & 110V	None	None	None
	Mounting Hardware	Wall/Mast Sold Separately	Wall/Mast Sold Separately	Recessed Ceiling	Recessed Ceiling	Wall Mount
	Temperature Options	Heater & Fan	Heater & Fan	None	None	None
	Standard Penetrations	3	3	1	2	2
	Door Color	Clear	Opaque	White	White	Aluminum Gray
	Enclosure Color	Grey	Grey	White	White	
	Material of Enclosure	Polycarbonate	Polycarbonate	Steel	Steel	Aluminum

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