

IN-BUILDING WIRELESS SOLUTIONS

ANTENNAS, ENCLOSURES, WIRELESS ACCESSORIES

- Single band, multi-band, MIMO and diversity antennas
- 802.11 (a, b, g, n), 4G, GSM and WiMAX expertise
- Aesthetically pleasing low profile antennas and insulated NEMA enclosures
- UL 94-V0 listed plastic, PC boards and Plenum rated cables for compliance with safety codes
- Optimized 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 cable assemblies, 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



WIRELESS NETWORK APPLICATIONS

- Public Wireless Hot Spots
- Enterprise Networks
- Hospitality
- Retail
- Education
- Health care
- Manufacturing
- Facilities Management
- Public Safety
- Telemetry
- Residential



IN-BUILDING PRODUCT PLATFORMS

CEILING MOUNT ANTENNAS



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

ENCLOSURES



- NEMA rateable
- 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 designs
- Various connector options

ACCESSORIES



- Custom cable assemblies
- Surge protection
- Wi-Fi amplifiers
- Cellular boosters
- Installation tools

WALL MOUNT ANTENNAS



- 3, 4, and 6-port MIMO options
- Omnidirectional and Directional models
- Multi-band and wideband designs

DAS OFFERINGS



- Custom engineered Solutions
- Ultra wideband antennas
- Site surveys, system design and other services available

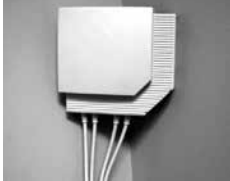
PRODUCT SELECTION MATRIX

Product Series comprise various models. Not all models offer all available features. For technical details, refer to PCTEL catalog.					
Standard Model Number	PCTCM Series	UHFM2458-6-RPC	UFDD24580303PT	PCTCMB7058NF	MC24580304PT
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	MCM124003FSMA	PCTMI Series	MPAMB SERIES	WMLPVIDB2458PT	WMLPV2458
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	MCM12456-6-RPC	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, 6-port	MIMO, 6-Port	MIMO, 3-port, 4-port, and 6 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		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-O	SP-RCT-004	SP-RCT-003	Fiber Products
Sizes Available	8x6x4 10x8x4 12x10x6 14x12x6 16x14x8	8x6x4 10x8x4 12x10x6 14x12x6 16x14x8	24x24x5	24x12x5	Custom Lengths for Indoor/Outdoor Fiber Jumpers SFPs available in various sizes by type
Power Options	POE & 110V	POE & 110V	None	None	N/A
Mounting/Interconnect Options	Wall/Mast Sold Separately	Wall/Mast Sold Separately	Recessed Ceiling	Recessed Ceiling	SFP, GBIC, Mating Sleeves, Splice trays, and more
Temperature Options	Heater & Fan	Heater & Fan	None	None	N/A
Connector/Polish Options	N/A	N/A	N/A	N/A	SC, LC, FC, ST APC, UPC, PC, Flat
Enclosure/Door Color	Clear/Gray	Gray/Gray	White/White	White/White	N/A
Color	Gray	Gray	White	White	N/A
Material	Polycarbonate	Polycarbonate	Steel	Steel	Corning Glass

© 2013 PCTEL, Inc. All Rights Reserved. Product prices, materials and specifications are subject to change without notice. 0913