



BROADBAND WIRELESS ACCESS SOLUTIONS

OUR OFFERING

- Antennas for any RF environment including: single band, wide band, multi-band, and MIMO offerings
- 802.11 (a, b, g, n, ac), 3G, LTE, and WiMAX expertise
- Aesthetically pleasing, low profile housings
- In-building and outdoor solutions
- Carrier grade, environmentally tested designs
- Optimized antenna design for specific applications
- Various installation mount options
- Outstanding in-band and out-of-band isolation for increased throughput
- Customized cable and fiber assemblies
- Custom enclosures, surge suppression, fiber accessories, and more

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

- Cellular Data Offloading
- Wi-Fi and Small Cell Network Installations
- Municipal Mesh Networks/Smart Grids
- Public Wireless Hotspots
- Last Mile Access & Bridging
- Wireless Backhaul
- Mobile Data
- Wireless LAN Enterprise Networks
- BYOD Environments



PRODUCT PLATFORMS



OMNIDIRECTIONAL ANTENNAS

- Multiple Form Factors
- Superior Electrical Performance
- Robust Mounting



FLAT PANEL ANTENNAS

- Wideband & Multi-Band
- Low Profile
- Rugged Mounting
- MIMO Model Options
- Various Gain Models



PARABOLIC REFLECTOR ANTENNAS

- Rugged Enclosed Housing
- Adjustable Polarization
- Robust Mounting Structure
- Dual Pol Options



WIRELESS NETWORK ACCESSORIES

- NEMA Rated Enclosures
- Fiber Jumpers and Accessories
- Custom Cable Assemblies
- Surge Suppression



SECTOR PANEL ANTENNAS

- Multiple Platforms
- Compact Housings
- Multi-Band Options
- MIMO Models



IN BUILDING ANTENNAS

- MIMO Models
- Multi-Band Options
- Aesthetically Pleasing Housings
- UL 94V0 Materials






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	Through-Hole + Mounting Hardware	Die Cast Articulating Wall Mount Included	Articulating Wall Mount Included	Articulating Plastic Wall Mount Bracket Included
	Solid Surface Mount Adapter Included	N/A	Surface Mountable	N/A	Surface Mountable	N/A
	Other Models in Platform?	No	No	Yes	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	PFP Cable	NEMA	SP-RCT-004	SP-RCT-003	Fiber Products
	Sizes Available	100 195 240 400 600	8x6x4 10x8x4 12x10x6 14x12x6 16x14x8	24x24x5	24x12x5	Custom Lengths for Indoor/Outdoor Fiber Jumpers SFPs available in various sizes by type
	Power Options	N/A	POE & 110V	None	None	N/A
	Mounting/Interconnect Options	Surge Protection, Adapters, Connectors, etc.	Wall/Mast Sold Separately	Recessed Ceiling	Recessed Ceiling	SFP, GBIC, Mating Sleeves, Splice trays, and more
	Temperature Options	N/A	Heater & Fan	None	None	N/A
	Connector/Polish Options	N, SMA,BNC, TNC, MMCX,, UHF, Reverse polarity, and More	N/A	N/A	N/A	SC, LC, FC, ST APC, UPC, PC, Flat
	Door Color	N/A	Gray/Clear	White	White	N/A
	Color	Black	Gray	White	White	N/A
	Material	Copper/PE/PVC	Polycarbonate	Steel	Steel	Corning Glass

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	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

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