



IN-BUILDING DAS ANTENNAS





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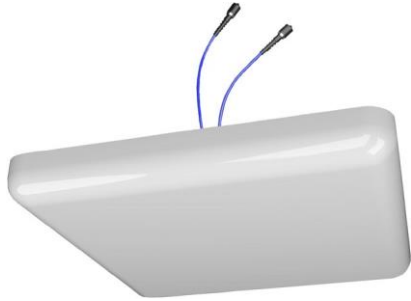
In office building, hospitals, universities and venues all around the world in-building wireless coverage is a necessity.

Amphenol's **PIM-RATED ANTENNAS** ensure reliable connectivity for all your Small Cell and iDAS applications. High gain omni and directional MIMO and SISO configurations are available for LTE, 3G, 4G and 5G, along with options for Public Safety.

Complete your iDAS network with Amphenol's line of quality **PASSIVE COMPONENTS** and **CABLE ASSEMBLIES**.

MIMO

IDAS ANTENNAS



MODEL NUMBER	MPA360-UWBVMIMO-x			
DESCRIPTION	2- Port Ceiling Mount Omni Antenna			
CONFIGURATION	MIMO			
FREQUENCY RANGE	698-6000 MHz			
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1695-2700	CBRSBAND 3550-3700	LAA BAND 5150-5925
POLARIZATION	Vertical			
GAIN	4.7 dBi	8.5 dBi	6.1 dBi	8.2 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°	360°
IMPEDANCE	50 Ohms			
ISOLATION	≤ 17 dB (Max 40 dB)			
VSWR	≤ 1.6	≤ 1.6	≤ 1.6	≤ 2.0
PASSIVE INTERMODULATION	≤ -153 dBc			
MAXIMUM POWER	20 Watts			
CONNECTORS	2 Ports: 4.3-10 Pigtail (Plenum Rated) or N-Type Pigtail (Plenum Rated)			
DIMENSIONS	355.6 x 355.6 x 43.2 mm (14.0 x 14.0 x 1.7 in)			
WEIGHT	0.86 kg (1.9 lbs)			
RADOME	PC-ABS			



MODEL NUMBER	5005370AM		
DESCRIPTION	2- Port Ceiling Mount Omni Antenna		
CONFIGURATION	MIMO		
FREQUENCY RANGE	698-4000 MHz		
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1710-2700	CBRS BAND 3550-3700
POLARIZATION	(2x) Linear		
GAIN	3.2 dBi	5.4 dBi	4.4 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°
IMPEDANCE	50 Ohms		
ISOLATION	> 17 dB	> 20 dB	> 25 dB
VSWR	< 2.0	< 2.0	< 2.0
PASSIVE INTERMODULATION	-153 dBc		
MAXIMUM POWER	50 Watts		
CONNECTORS	2 Ports: 4.3-10 Female or N-Type Female		
DIMENSIONS	165 x 155 x 50 mm (6.5 x 6.1 x 2.0 in)		
WEIGHT	0.3 kg (0.7 lbs)		
RADOME	ABS, White, RAL9003		



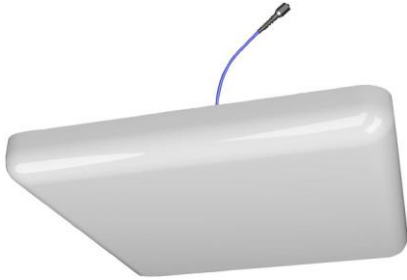
MODEL NUMBER	7834400AM	
DESCRIPTION	2- Port MicroCell Panel Antenna	
CONFIGURATION	MIMO	
FREQUENCY RANGE	698-2700 MHz	
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1710-2700
POLARIZATION	±45°	
GAIN	7.4 dBi	8.1 dBi
HORIZONTAL BEAMWIDTH	78°	77°
VERTICAL BEAMWIDTH	69°	53°
IMPEDANCE	50 Ohms	
ISOLATION	> 20 dB	> 23 dB
VSWR	< 2.0	< 1.5
PASSIVE INTERMODULATION	-153 dBc	
FRONT-TO-BACK RATIO	> 13 dB	> 22 dB
MAXIMUM POWER	100 Watts	
CONNECTORS	2 Ports: 4.3-10 Female or N-Type Female	
DIMENSIONS	305 x 186 x 63 (12.0 x 7.3 x 2.5 in)	
WEIGHT	0.7 kg (1.5 lbs)	
RADOME	ABS, White	



MODEL NUMBER	7834450AM		
DESCRIPTION	2- Port MicroCell Panel Antenna		
CONFIGURATION	MIMO		
FREQUENCY RANGE	698-4000 MHz		
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1710-2700	CBRSBAND 3550-3700
POLARIZATION	Vertical and Horizontal		
GAIN	6.0 dBi	8.0 dBi	4.0 dBi
HORIZONTAL BEAMWIDTH	80°	65°	60°
VERTICAL BEAMWIDTH	47°	30°	40°
IMPEDANCE	50 Ohms		
ISOLATION	> 15 dB	> 20 dB	> 25 dB
VSWR	≤ 2.0	≤ 1.8	≤ 1.8
PASSIVE INTERMODULATION	≤ -153 dBc		
FRONT-TO-BACK RATIO	≥ 8 dB	≥ 19 dB	≥ 5 dB
MAXIMUM POWER	50 Watts		
CONNECTORS	2 Ports: 4.3-10 Female or N-Type Female		
DIMENSIONS	406 x 180 x 62 mm (16.0 x 7.1 x 2.4 in)		
WEIGHT	1.5 kg (3.3 lbs)		
RADOME	PVC, White, RAL9003		

SISO

IDAS ANTENNAS



MODEL NUMBER	MPA360-UWBVSISO-x			
DESCRIPTION	1- Port Ceiling Mount Omni Antenna			
CONFIGURATION	SISO			
FREQUENCY RANGE	698-6000 MHz			
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1695-2700	CBRSBAND 3550-3700	LAA BAND 5150-5925
POLARIZATION	Vertical			
GAIN	4.8 dBi	8.5 dBi	6.2 dBi	8.2 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°	360°
IMPEDANCE	50 Ohms			
VSWR	≤ 1.6	≤ 1.6	≤ 1.6	≤ 2.0
PASSIVE INTERMODULATION	≤ -153 dBc			
MAXIMUM POWER	20 Watts			
CONNECTORS	1 Port: 4.3-10 Pigtail (Plenum Rated) or N-Type Pigtail (Plenum Rated)			
DIMENSIONS	355.6 x 355.6 x 43.2 mm (14.0 x 14.0 x 1.7 in)			
WEIGHT	0.68 kg (1.5 lbs)			
RADOME	PC-ABS			



MODEL NUMBER	5052470AM			
DESCRIPTION	1- Port Ceiling Mount Omni Antenna			
CONFIGURATION	SISO			
FREQUENCY RANGE	698-6000 MHz			
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1710-2700	CBRSBAND 3550-3700	LAA BAND 5150-5925
POLARIZATION	Vertical			
GAIN	2.3 dBi	3.6 dBi	2.8 dBi	2.3 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°	360°
IMPEDANCE	50 Ohms			
VSWR	≤ 1.8	≤ 1.5	≤ 1.8	≤ 1.8
PASSIVE INTERMODULATION	≤ -153 dBc			
MAXIMUM POWER	50 Watts			
CONNECTORS	1 Port: 4.3-10 Female or N-Type Female			
DIMENSIONS	Ø203 x 114 mm (Ø8.0 x 4.5 in)			
WEIGHT	0.5 kg (1.1 lbs)			
RADOME	ABS, White, RAL9003			



MODEL NUMBER	5086000AM		
DESCRIPTION	1- Port Ceiling Mount Omni Antenna		
CONFIGURATION	SISO		
FREQUENCY RANGE	698-4000 MHz		
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1710-2700	CBRSBAND 3550-3700
POLARIZATION	Horizontal		
GAIN	7.3 dBi	6.2 dBi	4.1 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°
IMPEDANCE	50 Ohms		
VSWR	< 1.5	< 1.5	< 1.5
PASSIVE INTERMODULATION	-153 dBc		
MAXIMUM POWER	50 Watts		
CONNECTORS	1 Port: 4.3-10 Female or N-Type Female		
DIMENSIONS	Ø220 x 18 mm (Ø8.7 x 0.7 in)		
WEIGHT	0.3 kg (0.7 lbs)		
RADOME	ABS, White, RAL9003		



MODEL NUMBER	5003700AM		
DESCRIPTION	1- Port MicroCell Panel Antenna		
CONFIGURATION	SISO		
FREQUENCY RANGE	698-4000 MHz		
FREQUENCY SUB-RANGE	LOW BAND 698-960 MHz	MID BAND 1710-2700	CBRSBAND 3550-3700
POLARIZATION	Vertical		
GAIN	7.0 dBi	8.0 dBi	6.0 dBi
HORIZONTAL BEAMWIDTH	85°	70°	70°
VERTICAL BEAMWIDTH	65°	30°	30°
IMPEDANCE	50 Ohms		
VSWR	≤ 1.8		
PASSIVE INTERMODULATION	-153 dBc		
FRONT-TO-BACK RATIO	≥ 9 dB	≥ 20 dB	≥ 14 dB
MAXIMUM POWER	50 Watts		
CONNECTORS	1 Port: 4.3-10 Female or N-Type Female		
DIMENSIONS	183 x 172 x 62 mm (7.2 x 6.75 x 2.4 in)		
WEIGHT	0.3 kg (0.7 lbs)		
RADOME	ABS, White, RAL9003		



MODEL NUMBER	5003500AM	
DESCRIPTION	1- Port MicroCell Panel Antenna	
CONFIGURATION	SISO	
FREQUENCY RANGE	698-2700 MHz	
FREQUENCY SUB-RANGE	LOW BAND 698-960	MID BAND 1710-2700
POLARIZATION	Vertical	
GAIN	7.2 dBi	8.7 dBi
HORIZONTAL BEAMWIDTH	95°	80°
VERTICAL BEAMWIDTH	60°	40°
IMPEDANCE	50 Ohms	
VSWR	< 1.5	< 1.5
PASSIVE INTERMODULATION	-153 dBc	
FRONT-TO-BACK RATIO	> 10 dB	> 17 dB
MAXIMUM POWER	50 Watts	
CONNECTORS	1 Port: 4.3-10 Female or N-Type Female	
DIMENSIONS	165 x 155 x 50 mm (6.5 x 6.1 x 2.0 in)	
WEIGHT	0.37 kg (0.8 lbs)	
RADOME	ABS, White, RAL9003	



IDAS ANTENNAS FOR PUBLIC SAFETY



600 MHz Capable

MODEL NUMBER	5086100AM		
DESCRIPTION	1- Port Ceiling Mount Omni Antenna		
APPLICATION	PUBLIC SAFETY		
FREQUENCY RANGE	380-2700 MHz		
FREQUENCY SUB-RANGE	UHF BAND 380-520	LOW BAND 617-960	MID BAND 1710-2700
POLARIZATION	Horizontal		
GAIN	1.8 dBi	5.1 dBi	7.0 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°
IMPEDANCE	50 Ohms		
VSWR	< 1.7	< 1.7	< 1.7
PASSIVE INTERMODULATION	n/a	-150 dBc	-150 dBc
MAXIMUM POWER	50 Watts		
CONNECTORS	1 Port, N-Type Female		
DIMENSIONS	Ø266 x 18 mm (Ø10.5 x 0.7 in)		
WEIGHT	0.4 kg (0.9 lbs)		
RADOME	ABS, White, RAL9003		



600 MHz Capable

MODEL NUMBER	5052460AM				
DESCRIPTION	1- Port Ceiling Mount Omni Antenna				
APPLICATION	PUBLIC SAFETY				
FREQUENCY RANGE	380-6000 MHz				
FREQUENCY SUB-RANGE	UHF BAND 380-520	LOW BAND 617-960	MID BAND 1710-2700	CBRS BAND 3550-3700	LAA BAND 5150-5925
POLARIZATION	Vertical				
GAIN	2.1 dBi	2.9 dBi	6.7 dBi	5.1 dBi	7.0 dBi
HORIZONTAL BEAMWIDTH	360°	360°	360°	360°	360°
IMPEDANCE	50 Ohms				
VSWR	< 2.5	< 2.0	< 1.5	< 1.5	< 1.5
PASSIVE INTERMODULATION	n/a	< -153 dBc	< -153 dBc	< -153 dBc	< -153 dBc
MAXIMUM POWER	50 Watts				
CONNECTORS	1 Port: 4.3-10 Female or N-Type Female				
DIMENSIONS	Ø298 x 152 mm (Ø11.7 x 6.0 in)				
WEIGHT	0.9 kg (2.0 lbs)				
RADOME	ABS, White, RAL9003				

COMPLETE YOUR iDAS NETWORK WITH

LOW-PIM

PASSIVE COMPONENTS & CABLE ASSEMBLIES

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COUPLER



POWER
SPLITTER



LOW POWER
DAS SPLITTERS



ATTENUATORS



DIRECTIONAL
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