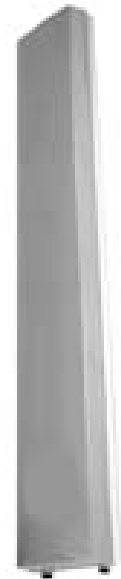


## SPAXP Series Cross Polarised Panel Antenna 380-430 MHz

**90° Sector**  
**Two Sub Bands**  
**Electrical and Mechanical Downtilt**  
**Cross Polarised**  
**UV Resistant Radome**

The SPA-XP series of base station panel antennas are custom designed for Digital PMR frequencies and provide excellent performance in exceptionally confined space frames making them extremely suitable for environmentally sensitive locations

The antennas consist of broad band dipole arrays cross polarised at + 45° and - 45° mounted on a passivated aluminium reflector and covered with a UV resistant ABS radome. Precisely phased radiating elements consisting of copper on glass-reinforced substrate ensure good intermodulation performance, upper sidelobe suppression and high efficiency.



<b>ELECTRICAL SPECIFICATIONS</b>	<b>SPAXP3</b>	<b>SPAXP4</b>	<b>SPAXP4</b>
<b>Frequency Range</b>	380-400 & 400-430	380-400 & 400-430	380-430
<b>Bandwidth</b>	30 MHz	20 MHz & 30 MHz	50 MHz
<b>Gain</b>	9.7 dBd	10.6dBd	10.6dBd
<b>VSWR</b>	1.5:1 Typical	1.5:1 Typical	1.5:1 Typical
<b>Polarisation</b>	±45°	±45°	±45°
<b>Cross Polar Discrimination</b>	>20dB	>20dB	>20dB
<b>Isolation between ports</b>	25-28dB	25-28dB	25-28dB
<b>Front to Back Ratio; Copolar</b>	16-20dB	16-20dB	16-20dB
<b>3<sup>rd</sup> Order Intermod Products</b>	<-130dBc	<-130dBc	<-130dBc
<b>-3dB Horizontal Beamwidth:</b>	92°	92°	92°
<b>-3dB Vertical Beamwidth:</b>	25°	19°	19°
<b>Fixed Electrical Downtilt</b>	0° & 15° Options	0° Only	10° & 15° Options
<b>Continuous Power Rating</b>	250 W	250 W	250 W
<b>Impedance</b>	50 Ω	50 Ω	50 Ω
<b>Lightning Protection</b>	DC Ground	DC Ground	DC Ground
<b>MECHANICAL SPECIFICATIONS</b>			
<b>Connector(s)</b>	2 x 7/16 DIN	2 x 7/16 DIN	2 x 7/16 DIN
<b>Dimensions (LxWxD)mm</b>	1440 x 320x 150	1920 x 320x 150	1920 x 320x 150
<b>Weight</b>	8 Kg	10Kg	10Kg
<b>Mounting: Order Separately</b>	<b>Tilt Clamp Kit</b> 9640897 Mechanical downtilt (0-15° adjustable). Mounts to round pole (38-115mm) <b>Fixed Clamp Kit</b> 9640898 Mounts to round pole (38-115mm)		
<b>MATERIALS</b>			
<b>Radiating Elements</b>	Copper on Glass-reinforced substrate		
<b>Radome</b>	UV Resistant ABS		
<b>Reflector</b>	Aluminium Alloy		
<b>STANDARD MODELS</b>			
<b>380-400 MHz</b>	<b>SPAXP338090T*</b>	<b>SPAXP438090T0</b>	
<b>400-430 MHz</b>	<b>SPAXP341090T*</b>	<b>SPAXP441090T0</b>	
<b>380-430 MHz</b>			<b>SPAXP441090T*</b>

\*Please State Tilt When Ordering.

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## Typical Radiation Patterns

