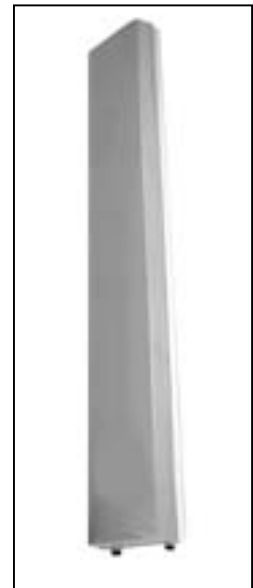




# SPAWXP4 Cross Polarised Panel Antenna 410-470 MHz

**65° Sector**  
**Complete Bandwidth**  
**Electrical and Mechanical Downtilt**  
**Cross Polarised**  
**UV Resistant Radome**

The **SPAWXP4** antenna is a cross polarised four bay antenna designed to facilitate system designers that have frequencies allocated in the 410-430 MHz and 450-470 MHz frequency bands. This four bay antenna delivers exceptional performance in a slim and narrow housing, reducing visual impact and windloading, thereby assisting the site acquisition process. The antenna consists of full wave dipole arrays cross polarised at +/-45° mounted on a passivated aluminium reflector and covered with a UV resistant ABS radome.



<b>ELECTRICAL SPECIFICATIONS</b>	<b>SPAWXP445065</b>
Frequency Range	410-470 MHz
Bandwidth	60 MHz
Gain	12 dBd (14.2dBi)
VSWR	1.5:1 Typical
Polarisation	±45°
Front to Back Ratio;	>-20dB
Cross Polar Discrimination	>20db
-3dB Horizontal Beamwidth:	65°
-3dB Vertical Beamwidth:	18°
Isolation between ports	25-28dB
Fixed Electrical Downtilt	0°, 8° & 12° Options
Impedance	50 Ω
Power Rating	250 watts
<b>MECHANICAL SPECIFICATIONS</b>	
Lightning Protection	DC Ground
Connector(s)	2 x 7/16 DIN
Dimensions (LxWxD)mm	1920 x 400 x 180
Rated Wind Velocity	150Km/hr
Lateral Thrust at Rated Wind Velocity	Front: 1010N (103Kg) Rear: 1230N (125Kg) Side: 480n ( 49KG)
Mounting: Order Separately	Clamp Kit 9640587: Mounts to Round Pole (19-115mm) Tilt Clamp Kit 9640588: Mechanical downtilt (0-15° adjustable)
<b>MATERIALS:</b>	
Radiating Elements	Copper on Glass-reinforced substrate
Radome	UV Resistant ABS
Reflector	Aluminium Alloy