

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.



ELECTRICAL SPECIFICATIONS	SPAWXP445065Z1
Frequency Range	410-470 MHz
Bandwidth	60 MHz
Gain	12 dBd (14.2dBi)
VSWR	1.5:1 Typical
Polarisation	±45°
Cross Polar Discrimination	>20dB
Isolation between ports	25-28dB
Front to Back Ratio	>-20dB
-3dB Horizontal Beamwidth	65°
-3dB Vertical Beamwidth	18°
Fixed Electrical Downtilt	0°, 8° & 12° Options
Continuous Power Rating	250 watts
Impedance	50 Ω
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Connector(s)	2 x 7/16 DIN Sockets
Dimensions (LxWxD)mm	1920 x 400 x 180
Lateral Thrust at Rated Wind Velocity	Front: 1010N (103Kg) Rear: 1230N (125Kg) Side: 480n (49KG)
Rated Wind Velocity	150Km/hr
Mounting Order Separately	Tilt Clamp Kit 9640897 Mechanical tilt (0-15° adjustable). Mounts to round pole (38-115mm) Fixed Clamp Kit 9640898: Mounts to round pole (38-115mm)
MATERIALS	
Radiating Elements	Copper on Glass-reinforced substrate
Radome	UV Resistant ABS
Reflector	Aluminium Alloy
Radome Colour	Grey