

# UHF Mobile Phone Sector Panel

Low P.I.M. radome enclosed 4G cellular sector Panel

UHF & Mobile Phone 1710-2170 MHz



The ZP-CP172-15 series of sector panels are suitable for UHF or 4G mobile phone applications within the 1710-2170 MHz frequency range. The low wind loading and low profile design make them suitable for side of structure or top of tower/pole mounting.

The ZP-CP1721-15 model has adjustable mounting hardware allowing for mechanical down-tilt, the ZP-CP1721F-15 does not allow this capability and suits wall or vertical pole mounting.

Coaxial cable, connectors, adaptors, filters, multicoupling and other installation accessories are all available separately.

SKU	ZP-CP1721-15	ZP-CP1721F-15	
Construction	Grey fibreglass radome, low P.I.M. bottom exit terminations and galvanised steel mounting hardware (fixed or tilt adjustable)		
Frequency range	1710-2170 MHz - upper 4G cellular or UHF		
Bandwidth	Full frequency range stated - 460 MHz		
VSWR	<1.4:1 across full frequency range		
Tuning	Factory		
Gain - nominal	14.3-14.8 dBi - depending on frequency		
Polarisation	+/- 45° slant/cross polarised		
Isolation: intra-system	>30dB		
Sidelobe suppression	>16dB - first sidelobe above main beam		
Electrical downtilt	6°		
Maximum power	300 Watts - per input		
Impedance	50 Ohms		
H Plane	1710-1880 MHz at 66°	1850-1990 MHz at 65°	1920-2170 MHz at 63°
E Plane	1710-1880 MHz at 13.5°	1850-1990 MHz at 12.5°	1920-2170 MHz at 11.5°
Intermodulation - IM3	2 x 43dBm carrier - <150 dBc		
Front-to-back ratio	>25dB		
Connector	2 x 7/16" DIN female - bottom exit from panel		
Panel dimensions	Height: 760mm, Width: 160mm, Depth: 80mm		
Weight	4.1 kg - excluding mounting		
Wind loading at 160kph	Front: 14.73 kg, 0.144 kN, Side: 7.365 kg, 0.072 kN		
Mounting hardware supplied	Adjustable mechanical down-tilt 0~10° bracket on rear of panel	Fixed tilt mounting hardware on rear of panel	

