

5160100
X-Pol | Dual Band VET | 65° | 17.5/18.2 dBi

5160100 is a full size dual band, dual polarized sector panel covering the GSM900/1800/1900 and UMTS frequency bands. The antenna features variable electrical tilt with manual adjustment on each band and can be fitted with an optional remote control.

Electrical Characteristics	880-960 MHz	1710-2170 MHz		
Frequency bands	880-960 MHz	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°		
Horizontal beamwidth	64°	66°	63°	60°
Vertical beamwidth	6.9°	5.8°	5.7°	5.6°
Gain	17.5 dBi	17.3 dBi	17.7 dBi	18.2 dBi
Electrical downtilt	0-10°	0-10°		
Impedance	50Ω			
VSWR	<1.4			
Upper sidelobe rejection	18 dB typical			
Front-to-Back ratio	> 25 dB			
Null fill	18 dB typical			
IM3 (2x20W carrier)	-110 dBm			
Isolation between ports	Tilt 0-2° > 28 dB Tilt 2-10° > 30 dB			
Isolation between bands	35 dB typical			
Input power	200 W	160 W		
Connector(s)	4 Ports / 7/16-DIN / Female / Long Neck / Bottom			
Mechanical Characteristics				
Dimensions HxWxD	2680 x 286 x 138 mm		105.5 x 11.3 x 5.4 in	
Weight without brackets	25 kg		55 lbs	
Wind speed	160 km/hr		100 mph	
Wind load @ 160 km/hr (100 mph)	900 N		202 lbf	
Shroud / Housing	Outdoor plastic / Aluminum			
Mounting Options (Installation accessories to be ordered separately)				
Description:	Part number:	Fits Pipe Diameter		Weight
Mounting bracket kit	0900393/00	48-115 mm	1.9-4.5 in	5.8 kg 13 lbs
Kit to add mech. downtilt (0-10°)	---	---		---

Notes: The mechanical control of the electrical tilt does not add any additional length at the bottom of the antenna. When the optional remote control of the electrical tilt is installed, it fits completely inside the antenna base and does not add any additional length to the dimensions shown above. The remote controlled antenna still has the manual control capability and the tilt angle indicator.

