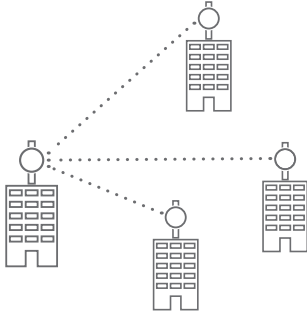


# Sectoral Antennas

## Portfolio

10 / 26 / 28 / 32 / 42 GHz



FIA-Faini has introduced a new line of Point to Multipoint (PMP) sectoral antennas 90° that operate at different frequency ranges and gains. The antennas are suitable for both standalone and direct-mount installation, as they are compatible with the interfaces available by the major radio brands.

Their highly-robust design makes FIA-Faini's sectoral antennas the best choice for installation at premises with extreme environmental conditions and with high wind velocity, up to 250 Km/h.

The FIA-Faini's product portfolio also includes a symmetrical directional coupler, with enhanced inter-port isolation. It is suitable for combining a pair of sectoral antennas in order to cover wider azimuth angles.

	HANT 1090 V	HANT 1090 H	HANT 2690 H-HG	HANT 2690 V-HG	HANT 2690 H	HANT 2690 V	HANT 2890 H-HG	HANT 2890 V-HG	HANT 2890 H	HANT 2890 V	HANT 3290 H-HG	HANT 3290 V-HG	HANT 3290 H	HANT 3290 V	HANT 4290 H-HG	HANT 4290 V-HG
Frequency range [GHz]	10.15 – 10.65		24.50 – 26.50				27.50 – 29.50				31.80 – 33.40				40.50 – 43.50	
Type	Sectoral 90°															
Gain [dBi]	15.5	16.0	19		15		19		15		19		15		18.7	
Polarization	Vert.	Horiz.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.
HPBW [deg] (Azimuth / Elevation)	90 / 10	90 / 8	90 / 4		90 / 11		90 / 4		90 / 11		90 / 3.5		90 / 9		90 / 3.5	
Return Loss [dB]	≤ -14		≤ -10		≤ -15		≤ -10				≤ -10				≤ -10	
F/B [dB]	35		30 (worst)													
XPD [dB]	30		25 (worst)													
Electrical Compliance	ETSI EN 302 326-3 SS3		ETSI EN 302 326-3 V1.3.1 SS2b													
Input flange	R120 or customized		UBR220 (WR42)				UBR320 (WR28)				UBR320 (WR28)				UBR400 (WR22)	
Lighting Protection	DC grounded															
EL / AZ fine adjustment [deg]	±15 / ±20															
Net Weight [Kg] (With Mounting Bracket)	8.5	10.0	7.9													
Operating Temperature [°C]	-40 to +60															
Humidity (at 30°C) [%]	95															
Wind velocity (Operational & Survival) [Km/h]	250															
Wind Forces: Axial Force / Side Force / Twisting Moment	230 N / 220 N / 80 Nm		180 N / 90 N / 55 Nm													
Overall dimensions Hight / Width / Depth [mm] (pole mount excluded)	314 / 145 / 190	338 / 190 / 237	240 / 240 / 113													

