

P250-4.9

WALL MOUNTING BRACKET

MOUNTING DETAIL

4.9 GHZ PUBLIC SAFETY SECTORAL PANEL ANTENNA

• P250-4.9

This new Wade Sector Panel antenna has a wide antenna pattern for the Public Safety 4.9 GHz frequency band. This antenna covers from 4.94 - 4.99 GHz frequency band. This light weight, compact Sector Panel has a fiberglass cover for a rugged, durable product. The reflector wings are adjustable to provide optimum RF coverage for each installation. Please refer to the antenna patterns below. The mounting bracket provides a tilting feature to focus your signal and improve the wireless performance. Wall mounting bracket also available (part number 642174).

APPLICATION

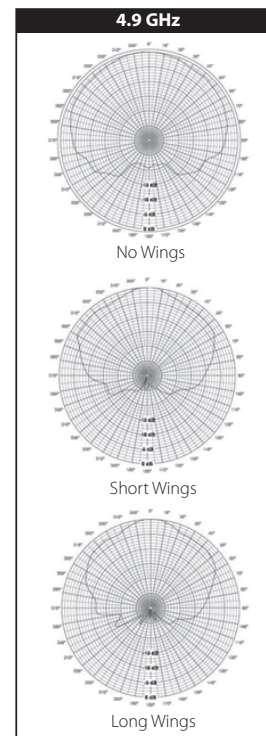
- Base Station
- Multi-point networks
- Public Safety Band

SPECIFICATIONS

ELECTRICAL	LONG	SHORT	NO WINGS
MODEL	P250-4.9	P250-4.9	P250-4.9
FREQUENCY	4.94-4.99 GHz	4.94-4.99 GHz	4.94-4.99 GHz
GAIN	17.5 dBi	15.5 dBi	14.5 dBi
HPBW "H" PLANE	90 DEGREES	120 DEGREES	155 DEGREES
HPBW "E" PLANE	11 DEGREES	11 DEGREES	11 DEGREES
IMPEDANCE	50 Ohm	50 Ohm	50 Ohm
VSWR	LESS THAN 2:1	LESS THAN 2:1	LESS THAN 2:1
F/B RATIO	30 dB	28 dB	25 dB
POLARIZATION	VERTICAL	VERTICAL	VERTICAL
CROSS POL REJECTION	> 20 dB	> 20 dB	> 20 dB
TERMINAL TYPE	N FEMALE	N FEMALE	N FEMALE
MAXIMUM INPUT POWER	100 WATTS	100 WATTS	100 WATTS

MECHANICAL	LONG	SHORT	NO WINGS
LENGTH (in.)	13.75 (34.9 cm)	13.75 (34.9 cm)	13.75 (34.9 cm)
WIDTH (in.)	4.5 (11.4 cm)	3.8 (9.7 cm)	2.5 (6.4 cm)
DEPTH (in.)	6.125 (15.6 cm)	6.125 (15.6 cm)	6.125 (15.6 cm)
MOUNTING	WALL/TUBE/PIPE MOUNT 2" O.D. MAX	WALL/TUBE/PIPE MOUNT 2" O.D. MAX	WALL/TUBE/PIPE MOUNT 2" O.D. MAX
HOUSING	ALUMINUM	ALUMINUM	ALUMINUM
RADOME	FIBERGLASS, WHITE, UV STABILIZED	FIBERGLASS, WHITE, UV STABILIZED	FIBERGLASS, WHITE, UV STABILIZED
WEIGHT	1.6 LBS (0.72 KG)	1.6 LBS (0.72 KG)	1.1 LBS (0.49 KG)
WIND AREA (SQ. FT)	0.58	0.37	0.24

ANTENNA PATTERNS



WADE Antenna's ongoing policy of continuing development may result in specification changes to its products.

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