

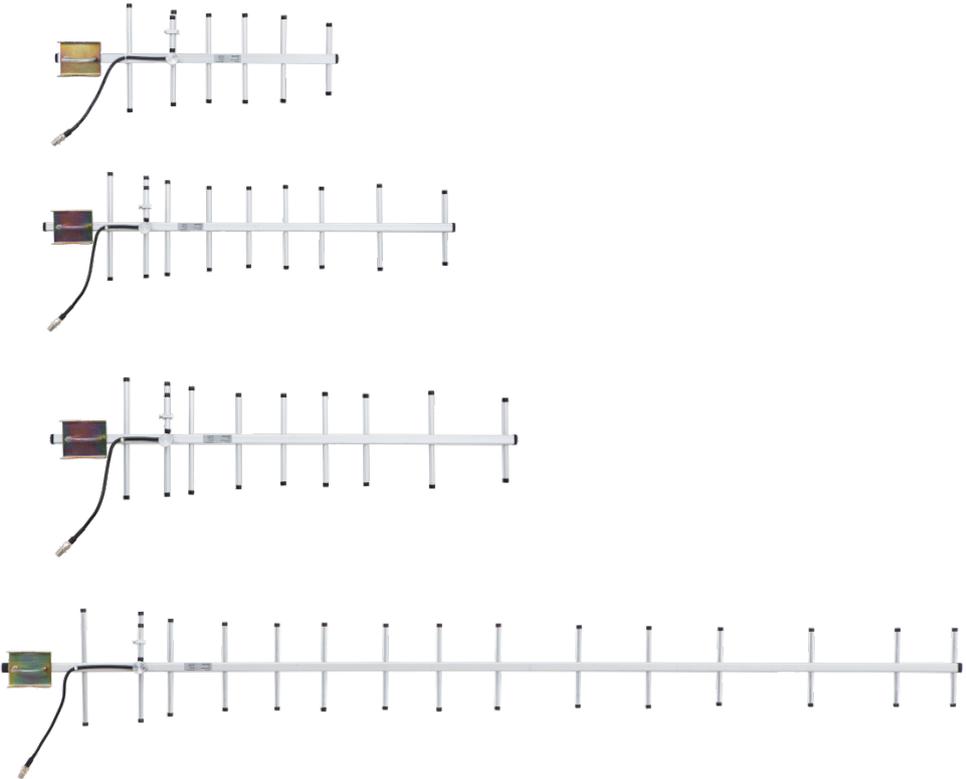
AY800/900xx series is lightweight 6, 9, 12 or 15 elements directional YAGI antenna which uses "gamma matching" technique for matching the input impedance of the antenna to 50 Ohm feeding line.

It is a low cost signal enhancement solution for fixed wireless phones, data terminals, cellular network repeaters and rural telephony applications used within 800 or 900 MHz cellular band.

Antenna is made of AD31 (T6063) galvanized aluminium. Boom material is 15 by 15 mm square tube and elements are 8 mm OD tube. Elements are mounted through the boom and fixed with self tapping screws. Antenna is supplied with 0,3 m long "tail" terminated with an F type female connector.

Antenna is shipped fully assembled and includes mounting hardware — a U-bolt and special mounting bracket for rear mounting to the mast (30–40mm OD) for either vertical or horizontal polarization.

Antenna is fully weatherproof and well suited to either domestic or commercial applications.



AY xx xx	Yagi antenna band (80=800, 90=900 MHz) number of elements	AY8006 AY9006	AY8009 AY9009	AY80012 AY90012	AY80015 AY90015
	Elements	6	9	12	15
	Frequency range, MHz	824 – 894 880 – 970			
	Bandwidth, MHz	70 90	70 90	70 90	70 90
	SWR	< 1,5	< 1,5	< 1,5	< 1,5
	Power rating, W	100	100	100	100
	Gain, dB	8	10	12	13,5
	Front to Back ratio, dB	25	25	20	18
	Beamwidth (H-plane)	60	40	36	28
	Beamwidth (E-plane)	42	50	38	32
	Nominal impedance, Ohm	50	50	50	50
	Dimensions (H x L), mm	500 x 180	665 x 180	1000 x 180	1500 x 180
	Weight, kg	0,3	0,4	0,5	0,6