

EPA5 antenna is a very high quality professional multi-band antenna designed to gather all the professional private mobile radio networks onto one single antenna. The radio networks handled by ATOM5 are INPT & TETRA; GSM, DCS & UMTS and LTE.

EPA5 is characterized by outstanding electrical performances with exceptional low VSWR over all the covered frequency bands. The antenna exhibits mechanical characteristics to fit indoor or outdoor applications onto walls or on a mast, in compliance with the latest environmental discretion constraints.

Electrical & mechanical specifications

Type	Directional
Covered Frequency ranges	380 – 470 MHz for INPT & TETRA 870 – 960 MHz for GSM 1700 – 2200 MHz for DCS & UMTS 2500 – 2700 MHz for LTE
3 dB beamwidth in E plane	140° at 400 MHz 59° at 900 MHz 65° at 1900 MHz
3 dB beamwidth in H plane	96° at 400 MHz 68° at 900 MHz 38° at 1900 MHz
Input impedance	50 Ω
VSWR	< 2 over all specified frequency bands.
Forward gain	3 dB for INPT / TETRA 7 dB for GSM, DCS, UMTS
Polarization	Vertical
Connector	N female
Material	U.V. stabilized and flame retardant ABS, aluminium base plate
Radom	White
Weight	2.5 Kg
Typical size	300 x 300 x 110 mm
Standard	Waterproof (IP 65)



Free space radiation patterns in H plane

