

**Main Features**

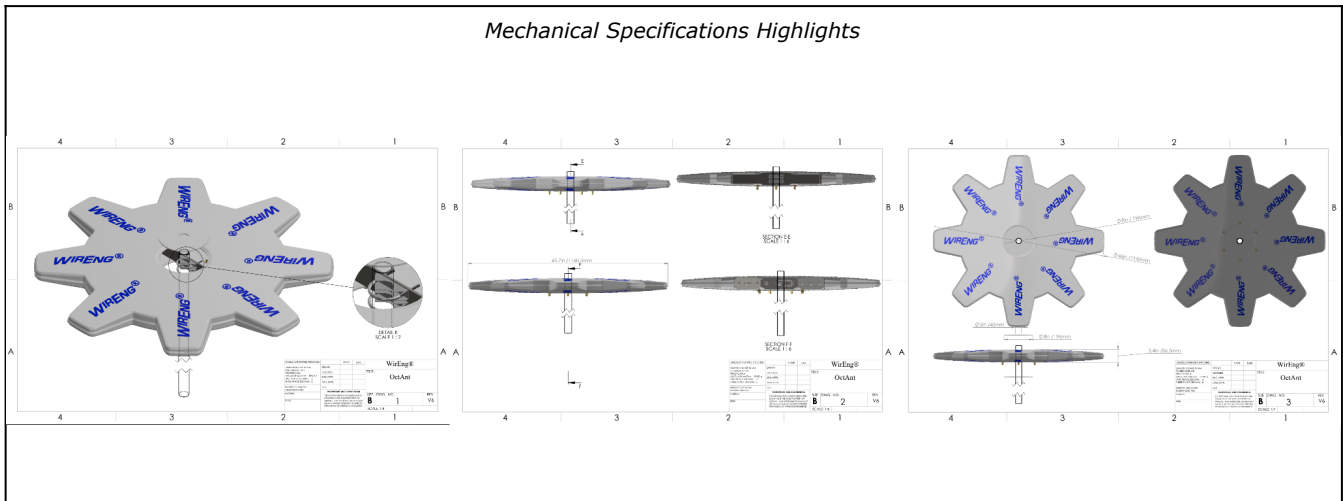
- The OctAnt-3™ connects to three dual-connector controllers or one quad-connector and one dual controller
- The OctAnt-3™ has an unparalleled 99.9% radiation efficiency and support all controller's TX/RX modes
- The OctAnt-3™ features ultra-high gain and is omnidirectional, on all controller and drone's bands
- The OctAnt-3™ is fully sealed and splash-proof, suitable even for harsh marine environments
- The OctAnt-3™ is completely made by military grade, top quality, thick fiberglass
- The OctAnt-3™ can be used to control drones from a covert (i.e., underground or in-vehicle) location
- The OctAnt-3™ features high input power (up to 6 x 150 Watts continuous)
- The OctAnt-3™ features extended operating temperature range of -38° to +160° C
- The OctAnt-3™ features 24K gold plated N-type connectors on antennas' radoms and interfaces
- The OctAnt-3™ has ultra-low VSWR on all drone's operating bands, for top efficiency of nearly 100%
- The OctAnt-3™ features full support for Frequency Hopping Spread Spectrum (FHSS) modality
- The OctAnt-3™ has an IP67 rating (protected against dust, strong water jets, and waves)
- The OctAnt-3™ has a UL94 V-0 flammability rating
- The OctAnt-3™ has USA and international trademarks (current)
- The OctAnt-3™ has USA and international patents (pending)



**Technical Specifications**

Parameter	Unit	Value	Description
Radiation type	(Desc.)	Omnidirectional	Antenna radiation type
Nominal impedance	Ohm	50	Antenna system nominal impedance
Acceptable impedance range	Ohm	45 to 78	Antenna system acceptable impedance range
Signal gain	dBi	11.5	Antenna system gain in all directions
VSWR	Ratio	1:1 to 1:1.8	Voltage standing wave ratio range
IM3 intermodulation	dBc	-156	IM3 intermodulation
Vertical plane half-power beamwidth	°	(see graphs)	Antenna system vertical plane half-power beamwidth (see graph)
Horizontal plane half-power beamwidth	°	(see graphs)	Antenna system horizontal plane half-power beamwidth (see graph)
Radome material	(Type)	FRP	Internally Fiber-Reinforced Plastic (FRP)
Internal elements main material	(Type)	Alloy	Antenna internal elements main material
Bolt/nuts/washers/lockers material	(Type)	Stainless Steel	Antenna mounting hardware material
Color	(Desc.)	Off white	Antenna main color
Wind resistance	kmh	175	Antenna system wind resistance rating
Operating temperature	°C	-38 to 160	Antenna system operating temperature range
Storage temperature	°C	-50 to 180	Antenna system storage temperature range
Environmental rating	(Desc.)	EN 300 019-2-4	Environmental conditions for telecommunications equipment: ETSI EN 300 019-2-4
Connector type	(Type)	Gold Plated N	N-type RF connector, Gold Plated
Mount type	(Type)	Vert. Pole	Antenna mount type: vertical pole (20 mm to 40 mm pole diameter)
Flammability Rating	(Code)	UL94 V-0	Antenna system flammability rating for radome: UL94 V-0
International Protection Marking	(Code)	IP67	Antenna system protection marking: protected against dust, strong water jets, and waves
Weight	kg	33	Weight of the complete antenna system
Dimensions	cm	116.3 x 116.3 x 8.7	Antenna set dimensions
Suitable markets	(Desc.)	Worldwide	Antenna system suitable market
Warranty	Years	1	Antenna system warranty
Production status	(Desc.)	New	Antenna system production status

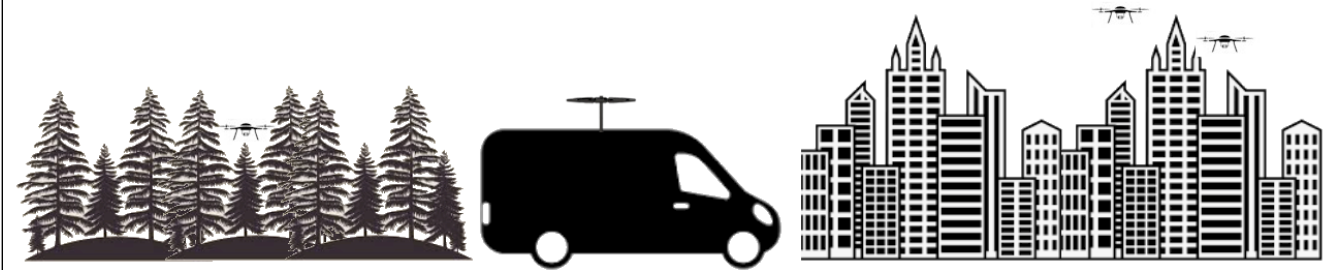
*Mechanical Specifications Highlights*



Main Applications and Suggested Uses

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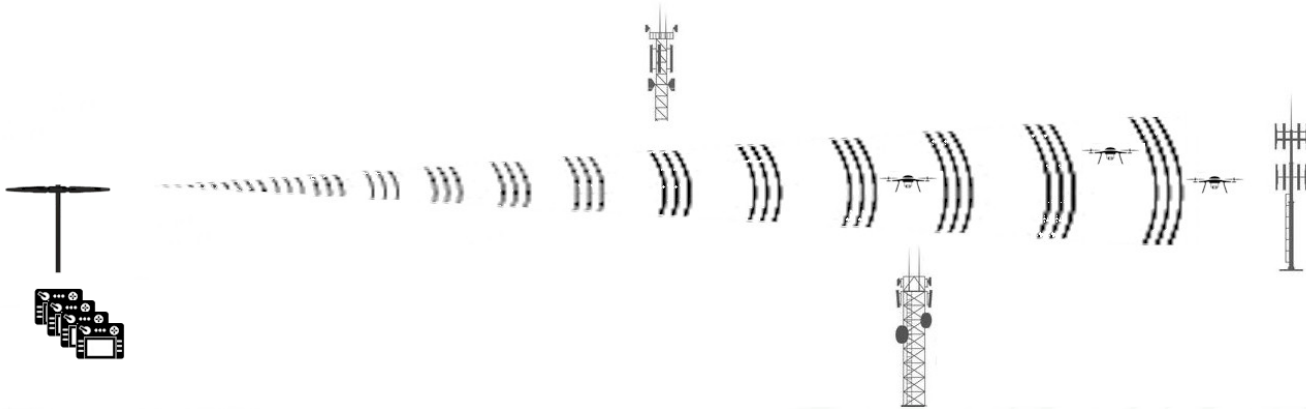
*In-Vehicle Omnidirectional Covert Drone Control*

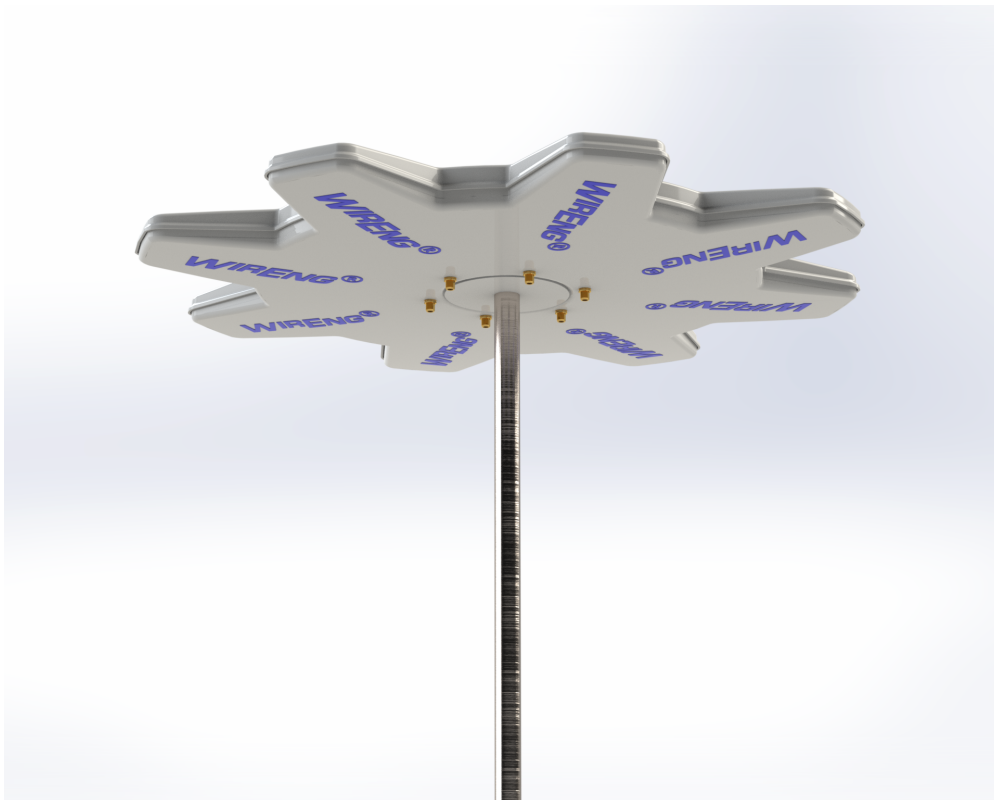


*Battleship Omnidirectional Drone Control*



*Interference Neutralization and Drone Range Extension (with added amplifier)*





WirEng® antennas, amplifiers, and accessories are sold as electronic components for system integrators and therefore it is the final user's responsibility to ensure compliance with local, state, and federal authorities regulating radio devices. By purchasing from WirEng®, you, the system integrator and/or final user/consumer, agree to assume all responsibilities regarding radio devices compliance and hold WirEng® harmless for any unlawful uses/misuses of any WirEng® product. All liabilities for any applications of any WirEng® products are transferred to the final user/consumer/system integrator.