

PT50 Enterprise Grade Mobility Antenna Specifications
MIMO Cellular 3G 4G 5G LTE AWS XLTE / GPS GNSS / WiFi 2.4 5GHz (Concurrent)
Built in Ground Plane / FirstNet Compliant

Cellular Frequencies WiFi Frequencies	600MHz - 3800MHz 2.4-2.5GHz / 4.9-5.9GHz (Concurrent)	GPS / GNSS Frequency	1562MHz - 1612MHz w/Front End SAW Filter
Peak Gain	(7dBi) 600-960MHz (8dBi) 1710-3800MHz (6dBi) WiFi 2.4-2.5 / 4.9-5.9 GHz	GPS Amplifier	29dB min gain
		Ariel Ratio	3.0dB max
VSWR	<1.9:1	Polarization	R.H.C.P. / Hemispherical
Impedance	50 Ohms	Bandwidth	2 MHz min
Polarization	Vertical	VSWR	1.9:1 max
Radiation Pattern	Omni Directional	Noise Figure	1.5dB Typical / 2dB Max
Case Material	High Impact ABS Polymer	Voltage Supply	3 to 5 VDC
Connector Types	All Standard RF Connectors Available		
Antenna Coax Cables	Cellular LTE / WiFi 2.4 5GHz – 15ft CFD195 / 15ft RG58U Coax Cable GPS – 15ft RG174 Coax Cable		
Mount Options	Fixed Bolt-Mount: 3/4"x 1/2"		
Operating Temp	-40°C to +85°C		
Ingress Protection	IP66		
Antenna Configuration Options			
3 Element Configurations	(MIMO 2 x Cellular LTE / GPS GNSS) - (MIMO 2 x WiFi / GPS GNSS) - (Cellular LTE / GPS GNSS / WiFi)		
2 Element Configurations	(MIMO 2 x Cellular LTE) - (MIMO 2 x WiFi) - (Cellular LTE / GPS GNSS) - (Cellular LTE / WiFi)		

3.23"
82mm



4.04"
102.5mm



Form Factor PT50
Built in Ground Plane
Designed to Resist Theft & Vandalism.
Fixed Bolt Mount / Perma-Seal Adhesive
Rugged / Impact Resistant / Weatherproof
"Built To Spec" Options are Available