

Ant™

Combination Antenna



Ant is a combination antenna for vehicle roof mount. The antenna includes a cellular antenna, GPS antenna with low noise amplifier and an option to mount an external rod. A wide range of rods for different frequencies are available.

Ant can be used in different applications depending on which system it is integrated with: fleet management, safety/security systems, logistics and other telematics applications. It has a slim and aerodynamic design and makes it perfect to use both on HGVs and smaller vehicles, like taxis, pick-ups, vans etc.

- Cellular: 890-960MHz and 1710-1880MHz
GPS: 1575.42MHz
Optional rod: 27-600MHz
- Slim and aerodynamic design
- IP67 class
- Hole mounted , Ø19mm

Specifications

Electrical

Frequencies	Cellular	890-960MHz 1710-1880MHz
	GPS	1575.42MHz
	Optional rod	27-600MHz
Impedance	50Ω	
Polarization	Cellular, Rod	Vertical
	GPS	RHCP
VSWR	Cellular	2:1
	GPS	1.5:1
Gain	Cellular	2.15dBi
	GPS Passive	5dBic @ zenith
	GPS Active	27dB
Max power	Cellular	10W
	Rod	25W
Supply voltage	3.3-5V	

Mechanical

Dimensions (L x W x H)	108 x 80 x 60mm (without optional rod)		
Installation	Hole mount with center screw Material thickness \leq 3mm Hole dimension \varnothing 19mm		
Cable	RG316, brown		
	Length, cellular	200mm	
	Length, GPS	130mm	
	Length, optional rod	150mm	
Pigtail direction	P/N 72488-1 / 72488-6	Straight	
	P/N 72488-L1 / 72488-L6	Left	
Connector	P/N 72488-1 / 72488-L1	Cellular	FME(m)
		GPS	SMA(m)
		Rod	FME(f)
	P/N 72488-6 / 72488-L6	Fakra(m)	
Weight	170g		
Material	Cover	PC-PBT	
	Base plate	Aluminum alloy	
	Seal	Dryflex	
Colour	Black		
IP class	IP67		
Thread for optional rod	M6		
Temperature	Operating / Storage	-40°C to +85°C	

Other

RoHS compliant

Certified according to 2014/53/EU Radio Equipment Directive (RED)

Smarteq reserves the right to change specifications without prior notice.