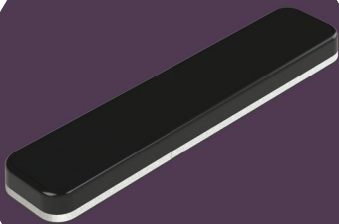




Ideal for

- FirstNet/First Responders
- Transportation/Fleet
- Remote Video Monitoring
- Mobile Broadband

K9 PRO Series



- 4X4 MIMO LTE
- 4X4 MIMO WI-FI
- GPS
- IP67 RATED

Features

- 5G
- WI-FI 6
- 600 MHz - 6 GHz*
- HIGH EFFICIENCY
- HIGH PERFORMANCE

**See inside for details*



Product Description

The K9 Pro Series antennas are perfect for FirstNet, first responders, critical communications, transportation/fleet, fixed wireless and mobile broadband.

The K9 Series antennas are IP67 rated, rugged antennas for mobile or fixed wireless applications. The K9 is available in 4X4 MIMO LTE, 4X4 MIMO Wi-Fi and GPS.



Patent pending.

Frequency Ranges

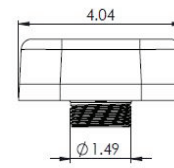
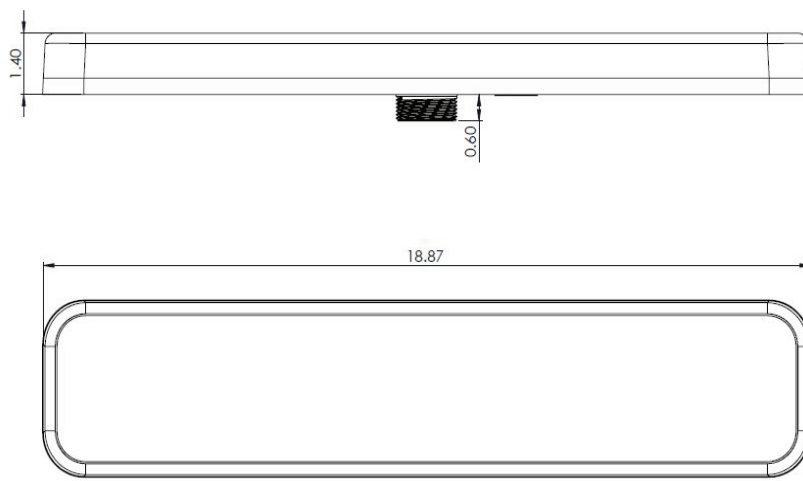
5G/4G/LTE Frequency Range Wi-Fi Frequency Range

617 – 894 MHz	2400 – 2483.5 MHz
1710 – 2700 MHz	4900 – 5900 MHz
3400 – 3800 MHz	
5150 – 5925 MHz	

Specifications

5G*/4G/LTE Bands (US Carriers)	
AT&T	2, 4, 5*, 14, 17, 29, 30, 48, 66, 77*
Verizon	2*, 4, 5*, 13, 48, 66*, 77*
T-Mobile	2, 4, 12, 25, 26, 41*, 48, 66, 71*, 77*
Mechanical	
Dimensions	1.4 inch height x 4.04 inch width x 18.89 inch length
Mounting Hole	Single 1.5 inch
Shaft	.60
Environmental	
Operating Temperature	-40°C to 85°C
Ingress Protection	IP67 waterproof

Product Dimensions



PRODUCT DIMENSIONS:
LENGTH = 18.87"
WIDTH = 4.040"
HEIGHT = 1.40"
SHAFT DIA = 1.49"
SHAFT LENGTH = 0.60"

Product Images



Electrical Specifications

ID	Port	Parameters	Units	Typ.
Radiated Efficiency	LTE-1,2,3,4	617 – 894 MHz	%	60
	LTE-1,2,3,4	1710 – 2700 MHz		70
	LTE-1,2,3,4	3400 – 3800 MHz		60
	LTE-1,2,3,4	5150 – 5925 MHz		60
	GPS	1575.42 MHz		80
	Wi-Fi-1,2,3,4	2400 – 2483.5 MHz		70
	Wi-Fi-1,2,3,4	4900 – 5900 MHz		70
Peak Gain	LTE-1,2,3,4	617 – 894 MHz	dBi	4.5
	LTE-1,2,3,4	1710 – 2700 MHz		6.5
	LTE-1,2,3,4	3400 – 3800 MHz		9
	LTE-1,2,3,4	5150 – 5925 MHz		8
	GPS	1575.42 MHz		6
	Wi-Fi-1,2,3,4	2400 – 2483.5 MHz		5
	Wi-Fi-1,2,3,4	4900 – 5900 MHz		7
Return Loss (50 Ω)	LTE-1,2,3,4	617 – 894 MHz	dB	5
	LTE-1,2,3,4	1710 – 2700 MHz		7
	LTE-1,2,3,4	3400 – 3800 MHz		7
	LTE-1,2,3,4	5150 – 5925 MHz		6.5
	GPS	1575.42 MHz		12
	Wi-Fi-1,2,3,4	2400 – 2483.5 MHz		13
	Wi-Fi-1,2,3,4	4900 – 5900 MHz		9
Isolation	LTE	617 – 894 MHz	dB	6.5
	LTE	1710 – 2700 MHz		13
	LTE	3400 – 3800 MHz		15
	LTE	5150 – 5925 MHz		16
	Wi-Fi	2400 – 2483.5 MHz		11
	Wi-Fi	4900 – 5900 MHz		18
Polarization				Linear RHCP
Max Input Power	LTE,Wi-Fi		Watts	5
GNSS Preamp Gain	GPS		dB	28
GNSS Preamp Voltage	GPS		V	2.2 to 5.0
RF Connector	LTE, GPS			SMA(M)
	Wi-Fi			RP-SMA
RF Cable Type	LTE, Wi-Fi			LSR200
	GPS			LSR100
Notes: 1. Electrical specifications based on antenna with a 2 ft. x 2 ft. external ground plane. 2. Isolation and return loss does not include cable loss.				

Ordering

Standard Antennas

Configurations	Part Number	Description
4:1	PRO4K4L15BS	4 LTE, 15ft cable, Black, Short Bolt
9:1	PRO9K4L4WG15BS	4 LTE, 4 Wi-Fi, 1 GPS, 15ft cable, Black, Short

Non-Standard Antennas

Configurations	Part Number	Description
4:1	PRO4K4L01BS	4 LTE, 1ft cable, Black, Short Bolt
	PRO4K4L01BS-NF	4 LTE, 1ft cable, Black, Short Bolt, N type Female
	PRO4K4L01WS	4 LTE, 1ft cable, White, Short Bolt
	PRO4K4L01WS-NF	4 LTE, 1ft cable, White, Short Bolt, N type Female
	PRO4K4L15WS	4 LTE, 15ft cable, White, Short Bolt
5:1	PRO5K4LG01BS	4 LTE, 1 GPS, 1ft cable, Black, Short Bolt
	PRO5K4LG01BS-NF	4 LTE, 1 GPS, 1ft cable, Black, Short Bolt, N type Female
	PRO5K4LG01WS	4 LTE, 1 GPS, 1ft cable, White, Short Bolt
	PRO5K4LG01WS-NF	4 LTE, 1 GPS, 1ft cable, White, Short Bolt, N type Female
	PRO5K4LG15BS	4 LTE, 1 GPS, 15ft cable, Black, Short Bolt
7:1	PRO7K4L2WG01BS	4 LTE, 2 Wi-Fi, 1 GPS, 1ft cable, Black, Short Bolt
	PRO7K4L2WG01BS-NF	4 LTE, 2 Wi-Fi, 1 GPS, 1ft cable, Black, Short Bolt, N type Female
	PRO7K4L2WG01WS	4 LTE, 2 Wi-Fi, 1 GPS, 1ft cable, White, Short Bolt
	PRO7K4L2WG01WS-NF	4 LTE, 2 Wi-Fi, 1 GPS, 1ft cable, White, Short Bolt, N type Female
	PRO7K4L2WG15BS	4 LTE, 2 Wi-Fi, 1 GPS, 15ft cable, Black, Short Bolt
8:1	PRO8K4L2WBG01BS	4 LTE, 2 Wi-Fi, 1 Bluetooth, 1 GPS, 1ft cable, Black, Short Bolt
	PRO8K4L2WBG15BS	4 LTE, 2 Wi-Fi, 1 Bluetooth, 1 GPS, 15ft cable, Black, Short Bolt
	PRO8K4L2WBG01WS	4 LTE, 2 Wi-Fi, 1 Bluetooth, 1 GPS, 1ft cable, White, Short Bolt
	PRO8K4L2WBG15WS	4 LTE, 2 Wi-Fi, 1 Bluetooth, 1 GPS, 15ft cable, White, Short Bolt
9:1	PRO9K4L4WG01BS	4 LTE, 4 Wi-Fi, 1 GPS, 1ft cable, Black, Short Bolt
	PRO9K4L4WG01BS-NF	4 LTE, 4 Wi-Fi, 1 GPS, 1ft cable, Black, Short Bolt, N type Female
	PRO9K4L4WG15BS	4 LTE, 4 Wi-Fi, 1 GPS, 15ft cable, Black, Short Bolt
	PRO9K4L4WG01WS	4 LTE, 4 Wi-Fi, 1 GPS, 1ft cable, White, Short Bolt
	PRO9K4L4WG01WS-NF	4 LTE, 4 Wi-Fi, 1 GPS, 1ft cable, White, Short Bolt, N type Female
9:1	PRO9K4L4WG15WS	4 LTE, 4 Wi-Fi, 1 GPS, 15ft cable, White, Short Bolt

Note: SMA connectors have a max torque of 3-5 inch lbs.

Hardware Accessories

Accessory	Part Number
Pole-mount bracket (makes antenna a fixed application)	PTA0149H
Magnetic mount- black	PTA0329
Star Washer	PTA0257
Ground plane with adhesive back, 20in x 2in, can be cut to size	PTA0587

Part Number Key

Part number example of a 9:1 K9 antenna, black: PRO9K4L4WG15BS

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	9:1	PRO9
Antenna abbreviation for K9	K	PRO9K
Number of LTE Elements	# L	PRO9K4L
Number of Wi-Fi Elements	# W	PRO9K4L4W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO9K4L4WG
Cable length measured in feet: 01 = 1', 15 = 15'	01, 15, etc.,	PRO9K4L4WG15
Radome Color - B for Black, W for White	B or W	PRO9K4L4WG15B
Short bolt length of 0.6" is standard	S	PRO9K4L4WG15BS
If SMA connector, simply leave blank		PRO9K4L4WG15BS
N type female connector	NF	PRO9K4L4WG15BS-NF

Custom connectors and cable kits are available. Please contact us for more information.

