

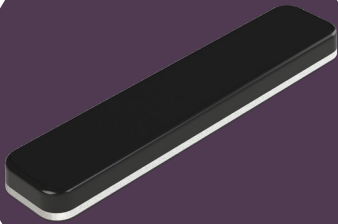


MobileMustHave
MOBILE LIFESTYLE SOLUTIONS

Ideal for

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

K9 PRO Series



- 4X4 MIMO LTE
- 4X4 MIMO WIFI
- GPS
- IP67 RATED

Features

- 5G
- WIFI 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 WIFI, and GPS.

Patent pending.



Frequency Ranges

LTE Frequency Range

617 – 894 MHz
1710 – 2700 MHz
3400 – 3800 MHz
5150 – 5925 MHz

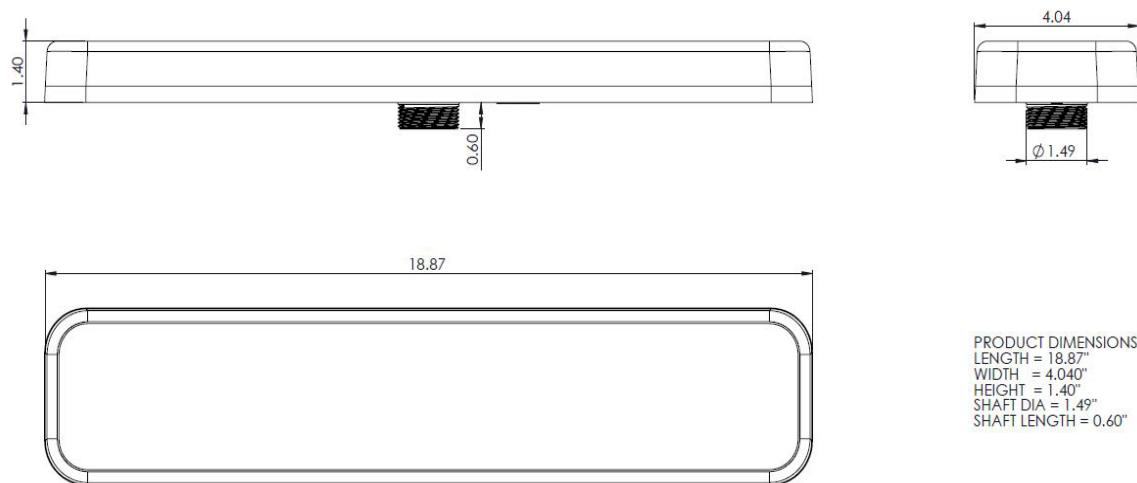
WiFi Frequency Range

2400 – 2483.5 MHz
4900 – 5900 MHz

LTE Bands (US Carriers)

AT&T	2, 4, 5, 14, 17, 29, 30, 48, 66
Verizon	2, 4, 5, 13, 48, 66
T-Mobile	2, 4, 12, 48, 66, 71
Sprint	2, 25, 26, 41, 48
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



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
	WiFi-1,2,3,4	2400 – 2483.5 MHz		70
	WiFi-1,2,3,4	4900 – 5900 MHz		70
Peak Gain	LTE-1,2,3,4	617 – 894 MHz		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	dBi	8
	GPS	1575.42 MHz		6
	WiFi-1,2,3,4	2400 – 2483.5 MHz		5
	WiFi-1,2,3,4	4900 – 5900 MHz		7
Return Loss (50 Ω)	LTE-1,2,3,4	617 – 894 MHz		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	dB	6.5
	GPS	1575.42 MHz		12
	WiFi-1,2,3,4	2400 – 2483.5 MHz		13
	WiFi-1,2,3,4	4900 – 5900 MHz		9
Isolation	LTE	617 – 894 MHz		6.5
	LTE	1710 – 2700 MHz		13
	LTE	3400 – 3800 MHz		15
	LTE	5150 – 5925 MHz	dB	16
	WiFi	2400 – 2483.5 MHz		11
	WiFi	4900 – 5900 MHz		18

Electrical Specifications

(Continued)

Polarization			Linear RHCP
Max Input Power	LTE, WiFi	Watts	5
GNSS Preamp Gain	GPS	dB	28
GNSS Preamp Voltage	GPS	V	2.2 to 5.0
RF Connector	LTE, GPS WiFi		SMA(M) RP-SMA
RF Cable Type	LTE, WiFi GPS		LSR200 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
5:1	PRO5K4LG15BS	4 LTE, 1 GPS, 15ft cable, Black, Short Bolt
9:1	PRO9K4L4WG15BS	4 LTE, 4 WiFi, 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
	PRO4K4L01BS-NM	4 LTE, 1ft cable, Black, Short Bolt, N type Male
	PRO4K4L15BS	4 LTE, 15ft cable, Black, Short Bolt
	PRO4K4L01WS	4 LTE, 1ft cable, White, Short Bolt
	PRO4K4L01WS-NF	4 LTE, 1ft cable, White, Short Bolt, N type Female
	PRO4K4L01WS-NM	4 LTE, 1ft cable, White, Short Bolt, N type Male
	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
	PRO5K4LG01BS-NM	4 LTE, 1 GPS, 1ft cable, Black, Short Bolt, N type Male
	PRO5K4LG15BS	4 LTE, 1 GPS, 15ft cable, Black, Short Bolt
	PRO5K4LG01WS	4 LTE, 1 GPS, 1ft cable, White, Short Bolt
	PRO5K4LG01WS-NF	4 LTE, 1 GPS, 1ft cable, White, Short Bolt, N type Female
	PRO5K4LG01WS-NM	4 LTE, 1 GPS, 1ft cable, White, Short Bolt, N type Male
	PRO5K4LG15WS	4 LTE, 1 GPS, 15ft cable, White, Short Bolt
7:1	PRO7K4L2WG01BS	4 LTE, 2 WiFi, 1 GPS, 1ft cable, Black, Short Bolt
	PRO7K4L2WG01BS-NF	4 LTE, 2 WiFi, 1 GPS, 1ft cable, Black, Short Bolt, N type Female
	PRO7K4L2WG01BS-NM	4 LTE, 2 WiFi, 1 GPS, 1ft cable, Black, Short Bolt, N type Male
	PRO7K4L2WG01WS	4 LTE, 2 WiFi, 1 GPS, 1ft cable, White, Short Bolt
	PRO7K4L2WG01WS-NF	4 LTE, 2 WiFi, 1 GPS, 1ft cable, White, Short Bolt, N type Female
	PRO7K4L2WG01WS-NM	4 LTE, 2 WiFi, 1 GPS, 1ft cable, White, Short Bolt, N type Male
	PRO7K4L2WG15BS	4 LTE, 2 WiFi, 1 GPS, 15ft cable, Black, Short Bolt
	PRO7K4L2WG15WS	4 LTE, 2 WiFi, 1 GPS, 15ft cable, White, Short Bolt
8:1	PRO8K4L2WBG15BS	4 LTE, 2 WiFi, 1 Bluetooth, 1 GPS, 1ft cable, Black, Short Bolt

Non-Standard Antennas (continued)

Configurations	Part Number	Description
9:1	PRO9K4L4WG01BS	4 LTE, 4 WiFi, 1 GPS, 1ft cable, Black, Short Bolt
	PRO9K4L4WG01BS-NF	4 LTE, 4 WiFi, 1 GPS, 1ft cable, Black, Short Bolt, N type Female
	PRO9K4L4WG01BS-NM	4 LTE, 4 WiFi, 1 GPS, 1ft cable, Black, Short Bolt, N type Male
	PRO9K4L4WG01WS	4 LTE, 4 WiFi, 1 GPS, 1ft cable, White, Short Bolt
	PRO9K4L4WG01WS-NF	4 LTE, 4 WiFi, 1 GPS, 1ft cable, White, Short Bolt, N type Female
	PRO9K4L4WG01WS-NM	4 LTE, 4 WiFi, 1 GPS, 1ft cable, White, Short Bolt, N type Male
	PRO9K4L4WG15WS	4 LTE, 4 WiFi, 1 GPS, 15ft cable, White, Short Bolt

Notes:

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 boot mount- black	PTA0329

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 WiFi 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
N type male connector	NM	PRO9K4L4WG15B-NM

Custom connectors are available. Please contact us for more information.



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