

Multiband 6-in-1 Sharkfin Antenna

2x 617-6000MHz, 3x 2.4/5GHz, 1x GNSS, 1x Whip



- ❖ Sharkfin 6-in-1 Omni Antenna with additional pass-thru port for Whip antenna
- ❖ 2x2 Ultra-wideband (617-6000MHz) to support MIMO/diversity at 4G/5G, 3x3 MIMO Wi-Fi 2.4/5GHz, GNSS/GPS antenna w/ 26dB gain LNA, and external whip supports dual-band WiFi
- ❖ Indoor and Outdoor rated IP69K design with UV stabilized radome
- ❖ Compatible with wide array of mobile and industrial gateways

Connector Option	Product SKU	Ventev Part #
SMA/RP-SMA	270295	VM-UWG231OS-SM

Electrical Specifications			
Cable Leads Number	Cable 1 to 2 (4G/5G Elements)		Cables 3 to 5 (Wi-Fi Elements)
Frequency Bands, MHz	617-960/1960-6000		2400-2500/4900-6000
Gain, dBi	617-960 MHz	4 dBi	2.4GHz
	1690-2700 MHz	6 dBi	5 dBi
	3300-4200 MHz	7 dBi	5GHz
	4900-6000 MHz	8 dBi	6 dBi
Polarization	Vertical		
Azimuth (HBW)	Omni (360°)		
Isolation, dBm	> 10		> 18
VSWR	≤ 2.0		≤ 2.0
Max Input Power per Port (W)			25
Impedance, ohm			50
GNSS/GPS Antenna Specification (1562 – 1612 MHz) – Cable 6			
VSWR	< 2.0 ± 4MHz		
Gain	26dB LNA		
Out of Band Rejection, dB	> 40dB		
Typical Noise Figure, dB	-2.7 dB		
Operating Voltage	3 – 5 VDC		
Typical Current, mA	15		
External Antenna Port for Whip Antenna – Cable 7			
Frequency Band Supported, MHz	2400-2500 / 4900-6000 (Wi-Fi)		

Every Ventev antenna is RoHS compliant and covered by company's 2-year warranty program.

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Mechanical Specifications	
Product Dims (L x W x H)	285 x 80 x 110 mm (11.2 x 3.15 x 4.3 in)
Input Connector / Pigtail	Cellular Cables (leads #1 to 2) SMA Male; 13ft Pigtail w/ RG58 Wi-Fi Cables (leads #3 to 5): RPSMA Male; 13ft Pigtail w/ RG58 GNSS/GPS Cable (lead #6): SMA Male; 13ft Pigtail w/ RG174 External Whip Antenna Cable (lead #7): RPSMA Male; 13ft Pigtail w/ RG58
Radome	UV Stabilized ABS. Black (White color option available with 25unit MOQ; Contact Ventev Sales)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Ingress Protection	IP69K
Mounting	Bolt Mount through 22mm mounting hole
Application	Indoor or Outdoor
Product Weight	1.3Kg (2.9 lbs)