

# Multiband 5-in-1 Dome Antenna

## 2x 617-6000MHz, 2x dual band Wi-Fi, 1x GNSS



- ❖ Multiband 5-in-1 Dome Omnidirectional Antenna with SMA leads for Cellular/GPS and RPSMA for Wi-Fi
- ❖ 2x2 Ultra-wideband (617-6000MHz) to support MIMO/diversity at 4G/5G; 2x dual band 2.4/5GHz Wi-Fi and a GNSS/GPS antenna w/ 26dB gain LNA
- ❖ Indoor and Outdoor rated IP69K design with UV stabilized radome
- ❖ Compatible with wide array of cellular and industrial gateways

Connector Option	Product SKU	Ventev Part #
SMA/RP-SMA	273069	VM-UWG221OD-SM

For more information or to purchase, contact Ventev: 800.851.4965 or [sales@ventev.com](mailto:sales@ventev.com)

Electrical Specifications				
Cable Leads Number	Cable 1 to 2 (4G/5G Elements)		Cables 3 to 4 (Wi-Fi Elements)	
Frequency Bands, MHz	617-960/1960-6000		2400-2500/4900-6000	
Gain, dBi	617-960 MHz	4 dBi	2.4GHz	5 dBi
	1690-2700 MHz	6 dBi	5GHz	6 dBi
	3300-4200 MHz	7 dBi		
	4900-6000 MHz	8 dBi		
Polarization	Vertical			
Azimuth (HBW)	Omni (360°)			
Isolation, dBm	> 10		> 12	
VSWR	≤ 2.0		≤ 2.0	
Impedance, ohm	50			
GNSS/GPS Antenna Specification (1562 – 1612 MHz) – Cable 5				
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			

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Mechanical Specifications	
<b>Product Dims (Dia x H)</b>	Ø175 x 80 mm (Ø7.0 x 3.15 in)
<b>Input Connector / Pigtail</b>	Cellular Cables (leads #1 to 2) SMA Male; 16ft Pigtail w/ RG58 Wi-Fi Cables (leads #3 to 4): RPSMA Male; 16ft Pigtail w/ RG58 GNSS/GPS Cable (lead #5): SMA Male; 16ft Pigtail w/ RG174
<b>Radome</b>	UV Stabilized ABS. White (Black color option available with 25unit MOQ; Contact Ventev Sales)
<b>Operating Temperature</b>	-40 °C to +80 °C (-40 °F to +176 °F)
<b>Ingress Protection</b>	IP69K
<b>Mounting</b>	Through 1.0" hole using stainless Nut; Silicone O-ring included; Adhesive backed sealing pad on the back to minimize shaking
<b>Application</b>	Indoor or Outdoor
<b>Product Weight</b>	1.6Kg (3.5 lbs)