

# Multiband 5-in-1 VenDome™ Omnidirectional Antenna

5 Port, 4x 617-7125 MHz and 1x GNSS/GPS with SMA Male

ventev®

Connect, Protect, and Enable™

Ventev's Multiband 5-in-1 VenDome™ Omnidirectional Antenna is ideal for fixed and mobile applications in indoor and outdoor deployments. This antenna has four isolated antenna elements covering ultra-wideband frequency range, 617-6000 MHz, to support 4x4 MIMO/diversity at 4G/5G and a high-performance GNSS/GPS antenna with 26dB gain LNA. In addition, its rugged design offers UV and IP69K ingress protections for harsh environments installations. Compatible with most cellular gateways and routers.

## Available Models

Description	MFG Part #	SKU
With 5 SMA Male Leads (4 Cellular Cables + 1 GNSS/GPS)	VM-UWG401OD-SM	601173

## 4G/5G Electrical Specifications

Cable Number	Cables 1-4: 4G/5G Elements			
Operating Frequency Range	617-960 MHz	1690-2700 MHz	3300-4200 MHz	4900-7125 MHz
Polarization	Vertical			
Horizontal Beamwidth	360°	360°	360°	360°
Gain	4 dBi	6 dBi	7 dBi	8 dBi
VSWR	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
Port-to-Port Isolation	> 10 dBm	> 10 dBm	> 10 dBm	> 10 dBm
Nominal Impedance	50 Ohms			

## GNSS/GPS Electrical Specifications

Cable Number	Cable 5: GNSS/GPS
Operating Frequency Range	1562-1612 MHz
Gain	26 dB LNA
VSWR	< 2.0 ± 4 MHz
Out of Band Rejection	> 40 dB
Typical Noise Figure	-2.7 dB
Operating Voltage	3-5 VDC
Typical Current	15 mA



## Features & Benefits

- Multiband 5-in-1 VenDome™ omnidirectional antenna with SMA Male leads.
- 4x4 ultra-wideband (617-7125 MHz) to support MIMO/diversity at 4G/5G, and a GNSS/GPS antenna with 26 dB gain LNA.
- Indoor and outdoor rated IP69K design with UV stabilized radome.
- Compatible with wide array of cellular and industrial gateways.



All product specifications are subject to change without notice or obligation.

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## Mechanical Specifications

Dimensions	7 in. diameter, 3.15 in. high (175 x 80 mm)
RF Connector	SMA Male: 4 Cellular Cables + 1 GNSS/GPS Cable
Number of Ports	5
Pigtail/Lead	Cellular Cables: RG58 GNSS/GPS Cable: RG174
Length of Lead	16 ft. (4.87 m)
Radome	White UV Stabilized ABS
Application	Indoor/Outdoor
Mounting Options	Wall or Ceiling
Operating Temperature	-40° to 176°F (-40° to 80°C)
Ingress Protection	IP69K
Weight	2.9 lbs. (1.3 kg)

## Installation Instructions

- Mount through a 1 inch hole using the stainless nut (silicone O-ring is included).
- Use adhesive backed sealing pad in on the back to minimize shaking.

## Additional Accessories



### Universal L-Bracket Mount for Omni Antennas

MFG Part #: VEN-ULBD-0214  
SKU #: 274461



### 2-Leg Magnetic Heavy-Duty Mount for VenDome™ Antenna

MFG Part #: VEN-MGMT-2LEG  
SKU #: 600876



### 3-Leg Magnetic Heavy-Duty Mount for VenDome™ Antenna

MFG Part #: VEN-MGMT-3LEG  
SKU #: 600881



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