

Surface Mount Omni Antenna

900-928 MHz, 4.5 dBi, 1 Port

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Connect, Protect, and Enable™

Ventev's 900 MHz Surface Mount Omnidirectional Antenna offers excellent gain and electrical performance in a compact form-factor and suitable for indoor and outdoor deployments. It supports 900 MHz ISM, LoRA, and LPWAN frequency bands in industrial IoT, EV charging stations, utilities, mobile fleets, and many more. The rugged design offers superior environmental protection from UV, rain, dust, and high-pressure washing. Antenna comes with N-Female connector. Compatible with optional Universal L-bracket for pole and wall mounting, SKU 274461.

Specifications

SKU	608179
Manufacturer Part Number	VM-91OP-NF
Operating Frequency Range	900-928 MHz
Gain	4.5 dBi
Polarization	Vertical
Vertical Beamwidth	75°
Horizontal Beamwidth	360°
VSWR	≤1.8
Nominal Impedance	50 Ohms
Max Input Power	50 W
Number of Ports	1
RF Connector	N Female
Application	Indoor/Outdoor
Operating Temperature	-40° to 140° F
Dimensions	1.9 in. diameter x 3.3 in. high
Weight	0.5 lb.
Radome	Black ABS
Ingress Protection	IP65
Mounting Options	Surface
Relative Humidity	5-95%



Features & Benefits

- Omnidirectional antenna with high gain and excellent electrical performance.
- Supports 900 MHz ISM, Long Range (LoRA) and LPWAN frequency bands.
- Ideal for ISM, SCADA, Industrial IoT, and LoRA applications.
- No ground plane required.
- Rugged waterproof design suitable for any indoor and outdoor deployments.



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

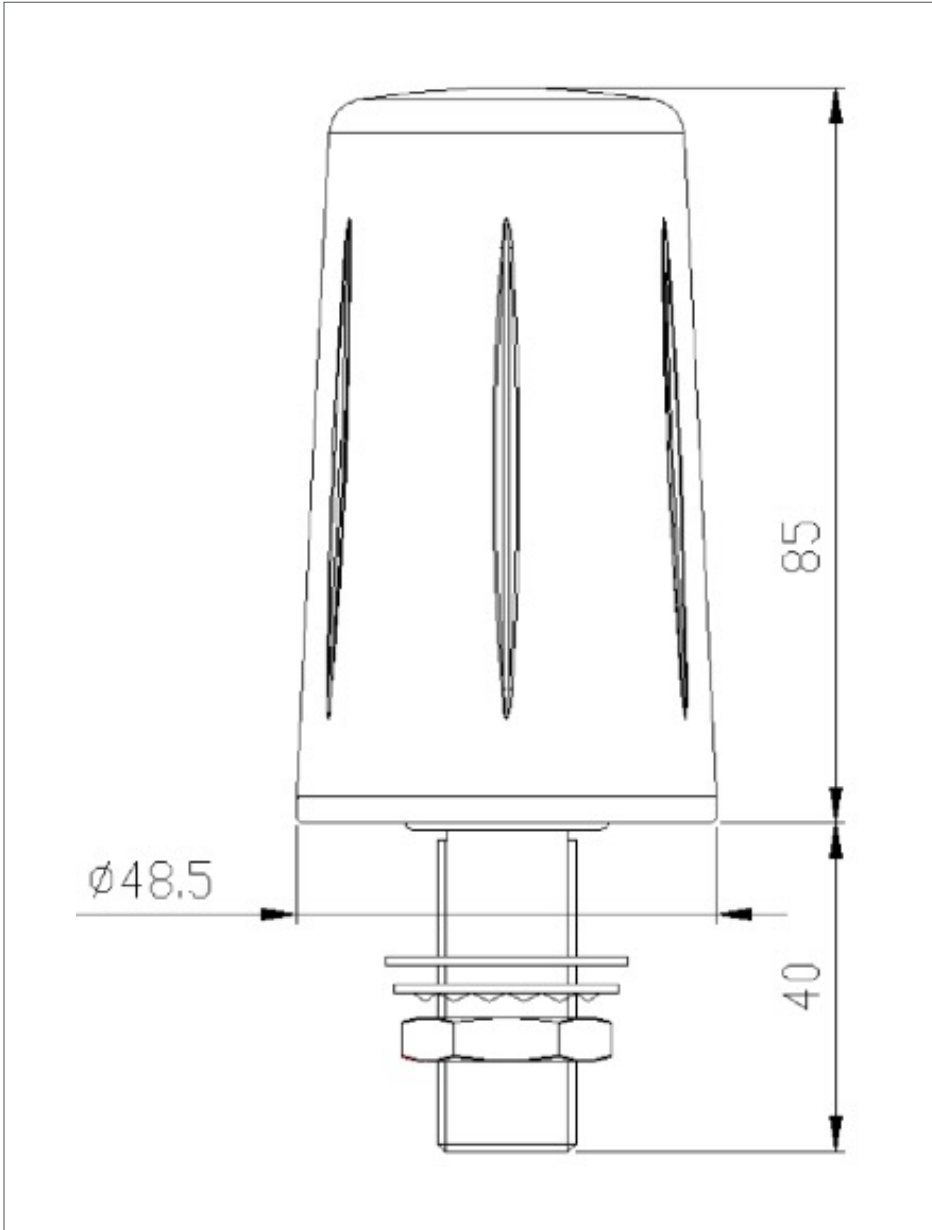
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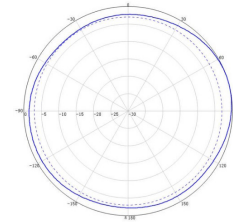
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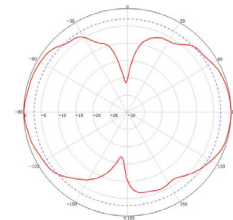
Dimensions



Radiation Patterns



Horizontal



Vertical

Mount Information

Surface mount through 0.6 in. mounting hole, up to 1 in. of panel thickness.



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