



OD8 Series

OD Wall Mount  
Bracket Option

## Omni-directional Specialized Military 1675 MHz

- Rugged site antenna, fiberglass radome and heavy aluminum base
- Antenna can handle up to 25 Watts
- Designed for Specialized Military networks at 1675 MHz
- Hardware provided for heavy duty pipe mount

The OD8-1675-BLK Antenna is designed to provide omni-directional coverage as part of a specialized military network at 1625-1725 MHz.

The antenna offers 8 dBi gain, a level of gain that provides a 12° vertical beamwidth (at -3 dB) and extensive coverage in a data network. The antenna can be used effectively for point-to-multipoint coverage.

The antenna can handle a maximum power of 25 Watts. It is rated for a temperature range of -40°C to +80°C and has a wind survivability of 100 mph minimum, even with 1/2" radial ice.

This high performance, durable antennas will provide dependable coverage. In addition to being electrically efficient, it is also mechanically sound.

The antenna has a durable fiberglass radome and a heavy aluminum base. It is rated for Military Shock and Vibration standards EN 300 019-2-4 and IEC 60068. The antenna is also rated for Water Ingress standard IPx5.

The antenna measures 41 1/4" (105cm) from the tip of the radome to the bottom of the antenna base. The diameter of the antenna is a slim 1" (25mm) which contributes to its favorable wind survivability rating.

The antenna terminates with an N jack (female) connector. Cable assemblies are available separately from Mobile Mark.

Signal loss can occur along the length of the cable connection so it is recommended that the antenna be mounted as close as possible to the modem, or that the connecting installation be done with high quality, low loss cable.

The mounting hardware to pole mount the antenna is provided. The antenna itself is attached to the mounting brackets with medium "U" bolts and the large "U" bolts are used to attach the mounting plate to the mounting pole or pipe.

The large U bolts can accommodate an outside diameter (O.D.) pole or pipe of up to 2 1/2 inches (63mm).

This omni-directional infrastructure antenna is designed for point-to-multipoint networks but can also be used for network fill-in applications.

Model #	Gain	Description
OD8-1675-BLK	8 dBi	Omni-directional antenna for specialized military

Specifications			
Frequency:	1625-1725	Material:	Black fiberglass
Gain:	8 dBi	Dimensions:	41 1/4" H x 1" D (105cm x 25mm)
VSWR Max:	2:1 max over range	Weight:	2.5 lbs
Impedance:	50 OHM Nominal	Mounting:	Masts up to 2 1/2" (6.4 cm) OD Wall mount (optional)
Max Power:	25 Watts	Connector:	N Jack (Female)
Beamwidth:	12 degrees	Shock & Vibration:	EN 300 019-2-4, IEC 60068
Lightning Protection:	External Recommended	Water Ingress:	IPx5
Max Wind Velocity:	100 mph minimum 100 mph with 1/2" radial ice		
Operating Temp:	-40C to +80C		