

## Surface Mount Iridium Communications®



DM-1620 in White



DM-1620 in Black

- Available for 1616-1626.5 MHz (Iridium)
- Ground plane recommended for optimal performance
- Rugged and attractive low profile ASA radome

The DM antennas provide a low profile style antenna that can be mounted to any vehicle, container or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

Models are available with a stud mount, allowing easy thru-hole mounting to a surface. The DM-1620 operates on the 1616-1626.5 MHz Iridium band. These use a 5/8" (1.6 cm) feed thru for securing to the vehicle. The antennas are outfitted standard with 10 feet (3 m) of low loss-195 cable, and terminate with an SMA Plug (Male).

The antenna gain is 3.5 dBi with no ground plane required. The antennas can even be mounted on fiberglass or plastic housing.

The antenna radome is available in white or black ASA. The bottom mounting plate is outfitted with a sealing gasket for a watertight seal.

The DM-1620 is the perfect match for surface mounted applications requiring Iridium communications. In particular the relatively low profile design is ideal for a mobile setting, such as being surface mounted on top of a truck.

The antenna is designed with RHCP, otherwise known as Right Hand Circular Polarization. This polarization is ideal for any antenna intended for Iridium communications.

The unit has an elevated grip-lip for properly removing the antenna. The base is covered with protective vinyl sheet to prevent scratches.

Model #	Description
DM-1620-3C-WHT-120	Iridium Surface Mount Antenna Cable
	Low Loss-195, 10 ft (3m) Iridium (1616-1626.5 MHz)
<u>Color options available for above models</u> WHT-White or BLK-Black	

Specifications			
Frequency:	1616-1626.5 MHz	Connector:	SMA Plug
Gain:	3.5 dBi peak	Mounting:	3/4" L stud (1.9 cm) 5/8" diameter (1.6 cm) feed thru for 7/32" thick surface (.53 cm)
VSWR:	<2:1 max over range	Jumper/Cable Option:	Use jumpers for longer length install or order with custom
Operating Temp:	-40° to +85° C	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G IA-329.2-C
Nominal Impedance:	50 Ohm	Water Ingress:	IP67
Maximum Power:	10 watts		
Case Material:	White or black UV Resistant ASA plastic		
Radome:	3" diameter x 1 1/2" high (7.6 cm x 3.8 cm)		
Hardware Supplied:	Nut, lockwasher, gasket		
Cable:	LL-195, 10 ft (3 m)		