

VenU® Dual-Polarization 4G LTE MIMO Directional Panel

This VenU antenna offers 4G LTE multi-band coverage, high gain, and a rugged housing design, with a heavy-duty mounting bracket for mast or wall mount installations. It is ideal for Small Cells, indoor/outdoor DAS systems, and Oil and Gas/Utility sites requiring a rugged and reliable 4G LTE/Cellular antenna solution.



PLTE7027M

Features

- MIMO broadband directional coverage with DAS, ODAS, Small Cell, and industrial wireless applications
- N Female bulkhead connectors
- IP67* waterproof vented design
- Indoor and outdoor rated
- Dual slant polarized or V/H polarization mounting options
- Includes heavy-duty articulating mount

STANDARD CONFIGURATION

| Model | Connector | Mount | Radome |
|-----------|-------------------|--|--------------------------------|
| PLTE7027M | 2 x Type N Female | Heavy-duty articulating mount suitable for pipe or wall installation is included | White, UL 94 VHB Polycarbonate |

ELECTRICAL SPECIFICATIONS - RF ANTENNA

| Frequency Range | Gain | VSWR | Azimuth Half Power Beamwidth | Elevation Half Power Beamwidth |
|-----------------------------|-----------------|---------|------------------------------|--------------------------------|
| 698-960 MHz / 1710-2700 MHz | 8.2 dBi / 8 dBi | < 2.0:1 | ~80° / ~75° | ~55° / ~65° |

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

| Front to Back Ratio | Maximum Power | Nominal Impedance | Polarization | Port-to-Port Isolation |
|---------------------|---------------|-------------------|--|------------------------|
| ~20 dB | 50 watts | 50 ohms | Dual slant (±45°) or horizontal & vertical (mount dependant) | < - 22 dB |

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

| Dimensions | Weight | Rated Wind | Ingress Protection | Temperature Range |
|---|--------------------|------------|--------------------|-------------------|
| 12 L x 12 W x 4.4 H in (30.48 x 30.48 x 11.18 cm) | 2.0 lbs (0.907 kg) | 125 mph | IP67* | -40°C to +85°C |

*When installed according to manufacturer's installation instructions.