

VenU® Dual-Polarized 700 MHz MIMO Directional Panel

This VenU antenna offers 700 MHz upper A block wideband coverage, high gain, and a rugged housing design, with a heavy-duty mounting bracket for mast or wall mount installations. It is ideal for wireless Field Area Networks (FAN), which extend smart grid connectivity deep into distribution networks, enabling new functionality such as advanced metering, distribution automation, substation automation, and distributed generation.

Features

- MIMO broadband directional coverage
- Type N female connectors
- IP67* waterproof vented design
- Includes heavy-duty articulating mount
- Ideal for utility applications on NB-IoT Networks



PLTE757M

STANDARD CONFIGURATION

Model	Connector	Mount	Radome
PLTE757M	Type N female (2)	Heavy-duty articulating mount suitable for 2-3/8 inch pipes is included	White, UL 94 VHB Polycarbonate

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Frequency Range	Polarization	Average Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
757-788 MHz	Dual linear, H/V	9 dBi	< 1.43	62°/73°	63°/72°

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

Front to Back Ratio	Maximum Power	Nominal Impedance	Cross Polarization Ratio	Port-to-Port Isolation
> 16 dB +/-30°	50 watts	50 ohms	> 17 dB on bore sight	30 dB minimum

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.