

VenU[®] Dual-Polarization 4G/5G MIMO Directional Panel Antenna

Cellular Antennas - Panel Antennas

PLTE7027M



Description

Multiband coverage in a rugged housing

Technologies

- 4G/5G Cellular

Features

- Optimal coverage – MIMO broadband directional coverage
- Rugged – Heavy-duty articulating mount; IP67-compliant waterproof vented design; Indoor and outdoor rated
- Ease of installation and connection: Dual slant polarized or V/H polarization mounting options; N Female bulkhead connectors



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The VenU[®] PLTE7027M panel antenna offers 4G/5G multiband 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 cellular antenna solution.

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

Applications

- Small cells
- Indoor and outdoor DAS systems
- Oil and gas utility sites

Certifications



* When installed according to manufacturer's installation instructions.

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Standard Configuration

Model Number	Connectors	Mount Type
PLTE7027M	2 x Type N Female	Heavy-duty articulating mount suitable for pipe or wall installation is included.

Electrical Specifications – RF Antenna

Frequency Ranges	Typical Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	Front to Back Ratio	Maximum Power	Nominal Impedance	Polarization	Port-to-Port Isolation
698-960 MHz	8.2 dBi	< 2.0:1	~80°	~55°	~20 dB	50 watts	50 ohms	Dual slant (±45°) or horizontal and vertical (mount dependant)	< - 22 dB
1710-2700 MHz	8 dBi		~75°	~65°					

Mechanical and Environmental Specifications

PLTE7027M

Dimensions (L x W x H)	12" x 12" x 4.4" in (304.8 x 304.8 x 111.8 mm)
Weight	2.0 lbs (0.907 kg)
Rated Wind	125 mph
Housing Material	White, UL 94 VHB Polycarbonate
Temperature Range	-40°C to +85°C
Ingress Protection	IP67 (when installed according to manufacturer's installation instructions)

CONTACT US

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this product contact your
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> pctel.com/antenna-products**

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