

Wireless Network Antennas

High Performance Reliability

Radiall's high performance 2.4 & 5 GHz omnidirectional antennas are suitable for harsh environments and are designed for wireless network applications where reliability is essential.



A leading provider of high performance antenna solutions, Radiall, has expanded its product range to include omnidirectional antennas for wireless network applications operating in the 2.4 GHz and 5 GHz bands.

The robustness and high electrical performance of these antennas make them the perfect solution for harsh environmental conditions. The ruggedized design is suitable for military, industrial or hot spot installations where reliable communication is required.

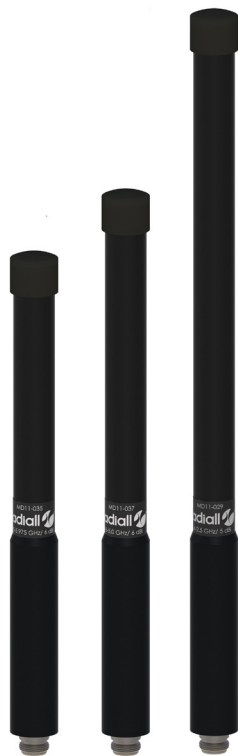
Providing outstanding electrical performance, these high gain antennas ensure excellent and reliable coverage for 2.4 or 5 GHz communication. The robust design, tested per MIL-STD-810G, withstands harsh environments, including resistance to vibration, immersion (IP68 rate), temperature and mechanical shock, allowing these antennas to be used for either fixed or on the move applications. The current standard offer includes medium gain antennas, whereas the new modular design optimizes performance in gain, radiation and frequency for a specific application.

These wireless omnidirectional antennas are compatible with the Radiall mounting bracket (MD15-006) for a quick and safe installation over a mast or on a wall.



Radiall's new 2.4 & 5 GHz wireless network antennas offer the perfect compromise between high electrical performance and robustness.

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Part Number	MD11-029	MD11-037	MD11-035
Frequency	2400 - 2500 MHz	4800 - 5000 MHz	5150 - 5975 MHz
VSWR	2.0: 1 max	2.0: 1	3.0 max (<2.0)
Gain (typical)	5 dBi	6 dBi	6 dBi
Overall Length	15.5 in/393 mm	11.68 in/296 mm	10.35 in/262 mm
Impedance	50 Ω		
Polarization	Vertical		
- 3dB Beamwidth	30° (elevation/typical)		
Power Handling	10 W (CW)		
DC Grounding	Yes		
Operating Temperature	-40° C to + 85° C		
RF Connector	N Female		

Features & Benefits

- Outstanding electrical performance
- Ruggedized design for reliability in all conditions
- Radiall Mounting bracket available (MD15-006)

Applications

- Military & Security (fixed & mobile)
- Factory/warehouse
- Hot spots (airport, public environments)
- Data collection