

High-Gain SATCOM Antennas

The ARA-3241 series hosts extremely rugged and portable high-gain UHF SATCOM antennas that are available in full and compact sizes. These antennas are ideal for tactical command posts and temporary fixed-site applications. The compact version is ideal for operation in high winds. The right-hand circular polarized (RHCP) antenna is designed to operate from 240 to 380 MHz at 200W CW. These antennas are designed with exceptionally high gain, low VSWR and rapid deployment. These antennas comply with MIL-STD-810G environmental standards for vibration, shock, temperature, loose cargo and immersion.



Specifications:

Frequency	240 to 380 MHz (optimized for 300 to 380 MHz)
Polarization	Right-hand circular
Gain	9.7 to 15.0 dBic
Impedance	50 Ω
VSWR	< 1.5:1
Axial Ratio	< 3 dB
Power Handling	200 W CW
Cables	12.5' RG-213 Type-N Male to Type-N Female RF cable (2)

Features

- Deployment time: < 3 min
- Black anodized finish
- Folding tripod with AZ and EL adjustment
- Two 12.5' RF cables
- Soft or hard case
- Standard or compact size

This datasheet has been released into the public domain in accordance with International Traffic in Arms Regulations (ITAR) 22 CFR 120.11(6).

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Configurations:

	ARA-3241	ARA-3241-HC	ARA-3241C*	ARA-3241C-HC*
Gain	9.7 to 15.0 dBic	9.7 to 15.0 dBic	+11 dBic	+11 dBic
Axial Ratio	3 dB	3 dB	2 dB	2 dB
Input Connector	Type-N Male	Type-N Male	Type-N Female	Type-N Female
Weight	34 lbs	34 lbs	20 lbs	20 lbs
Storage	Storage bag	Hard case**	Storage bag	Hard case**
Wind Speed	Up to 80 mph	Up to 80 mph	Up to 160 mph	Up to 160 mph
Director Sets (2 each)	Included	Included	N/A	N/A
Dimensions	72" height, 78" length when deployed	72" height, 78" length when deployed	70" height, 34" length when deployed	70" height, 34" length when deployed

* Coming soon

** Hard Case: 13.5" x 12" x 37", 4.9 lbs

