



Features and Benefits

- **Extreme Portability:** A high-capacity antenna that is 80+% less volume and weight than comparable rigid antennas, enabling rapid insertion of hubs
- **Lower Cost of Ownership:** Drastically reduces shipping expense in restoration of services situations
- **Reliability in Extreme Environments:** Greater stability in high winds (40+ mph) and durable in extreme environments
- **Ease of Set Up:** Sets up in under 60 minutes with no special tools

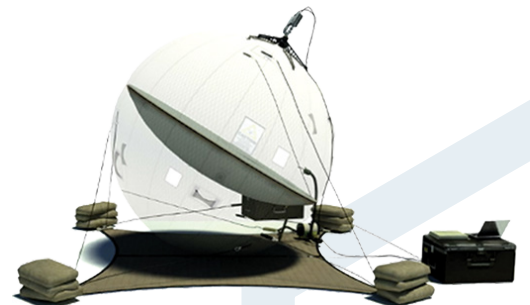


GATR 4.0m Inflatable Satellite Antenna

The GATR Inflatable Satellite Antenna has revolutionized the portable SATCOM industry with its patented, inflatable communications terminal.

An inflatable radome and flexible parabolic reflector mounted at the equator, enables deployment of a 4-meter class Ku-band satellite terminal in as few as four cases and under 400 lbs (180 kg) total. This reduces pack-out weight and volume by over 80% compared to deployable rigid hubs, making it ideal for rapid insertion, remote applications and contingency scenarios for Military, Intelligence and Homeland Security organizations.

Type Designator: AN/TSC-228



GATR 4.0m Inflatable Antenna System

Specifications

Operation	X-Band	Ku-Band	Ka-Band
Set Up Time	< 60 Minutes, 2 Operators		
Antenna Cases	Antenna Case = 124 lbs Ground Anchor Plate Case = 92 lbs Accessories Case = 93 lbs		
Electronics Cases	X-Band Case = 82 lbs	Ku-Band Case = 60 lbs	Ka-Band Case = 55 lbs
Az/EI/Pol	Manual Point & Polarization		
Elevation	5 to 90 Deg		
Azimuth	+/- 10 deg from Stage Center		
Antenna Performance			
Optics	Prime focus		
Polarization	Circular	Linear	Circular
G/T (dBi/K)	26.4 @15° Elevation	30 @20° Elevation	31 @15° Elevation
EIRP (dBW) - Linear	65.15	70	75.3
Amplifier TX Power	150 W	100 W	100 W
Satellite Compliance	FCC Licensed, ARSTRAT WGS Certified X-band (Ka Pending) Type Certifications: Skynet, Optus, SES, XTAR		
Interfaces			
Modem	Interoperable with L-Band SATCOM modems		
Interface	L-Band: 950 - 2000 MHZ N-Type (50 Ohm)		
Reference	10 MHz Reference to RF Electronics (LNB & Amplifier) Meets: MIL-STD-164B (ARSTRAT compliant)		
Environmental			
Temperature	Operational: -32 to +50 Deg C Storage: -33 to +60 Deg C		
Wind Load	Operational: 40 mph Survivable: 60 mph		
Other	Designed to MIL-STD-810G shock, vibration, altitude, blowing rain, blowing sand, ice load, salt fog, humidity and MIL-STD-461F electromagnetic interference		
Power			
Input Power	VAC: 100 - 277 VDC: 18 - 36		
Power Consumption	< 1000 W		
Battery Type & Operation	Two BB-2590 (Li-Ion) or Two BB-390 (NiMH) UPS houses and charges Batteries 4 hours Rx Only Operation		

GATR's unique inflatable design enables transport of GATR's 4m Ku-band terminal in 4 cases, weighing less than 400 lbs total, making it The Most Portable 4-meter Satellite Antenna in the World.



CHANGING THE SHAPE OF SATCOM

Cubic is revolutionizing the ultra-portable SATCOM industry with the GATR's inflatable satellite antenna. Compared to other deployable rigid dishes of comparable size, GATR's unique shape and designs enable extreme portability, lower cost of ownership, reliability in extreme environments and ease of set up.

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