



Features and Benefits

- **Ease of Set Up:** Set up in under 20 minutes with no special tools
- **Extreme Portability:** 50% less volume and weight than portable rigid satellite antennas (antenna & modem components weigh as few as 48 pounds), backpackable carry-on design enables low-profile transport
- **Efficient Design:** Narrower beam-width (due to full 1.2m dish) results in lower noise floor, better G/T compared to sub-meter, "disadvantaged" dishes
- **Reliability in Extreme Environments:** Greater stability in high winds, durable in extreme temperatures MIL-STD-810G tested

Flex|Enterprise

Qualified Terminal



GATR 1.2m ISA Inflatable Satellite Antenna

GATR 1.2m ISA High-bandwidth, Backpackable Antenna

CUBIC | GATR has revolutionized the portable SATCOM industry with its patented, inflatable communications terminal.

The GATR's unique antenna design, an inflatable radome and flexible parabolic reflector mounted at the equator, enables deployment of a single Ku-band 1.2-meter satellite terminal in one airline checkable case weighing less than 75 lbs. This reduces pack-out weight and volume by up to 50% compared to deployable rigid antennas of similar size, making it ideal for first-in deployments, remote applications and contingency scenarios where transportation and space are limited.

Available in X, Ku- and Ka-band
Type Designator: AN/TSC-232



GATR 1.2m ISA Inflatable Satellite Antenna



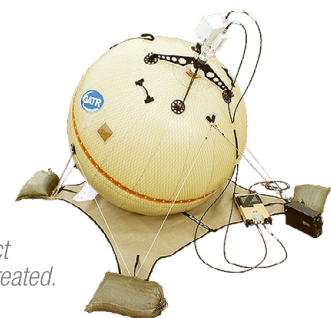
Specifications

Operation	X-band	Ku-Band	Ka-band
Set Up Time	< 20 Minutes, 1 Operator		
Antenna Case Size/Weight	1 Case < 70 lbs		
Electronics Case Size/Weight	1 Case < 40 lbs	1 Case < 40 lbs	1 Case < 40 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)	15.1 @15° Elevation	20.7 @20° Elevation	21.6 @15° Elevation
	Standard (25W) Single Carrier	Standard (25W)	Standard (16W)
EIRP (dBW) - Linear	48	54.9	56.7
Satellite Compliance	FCC Licensed, ARSTRAT WGS Certified (X & Ka) Type Certifications: Intelsat FlexGround, Inmarsat Global Express Cat IV, 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	Tested to MIL-STD-810G shock, vibration, altitude, blowing rain, blowing sand, ice load, salt fog and MIL-STD-461F electromagnetic interference		
Power			
Input Power	VAC: 100 - 277 VDC: 18 - 36		
Power Consumption	< 250 W		
Battery Type & Operation	Two BB-2590 (Li-Ion) or Two BB-390 (NiMH) UPS houses and charges batteries 4 hour on air (Rx/Tx) operation		

GATR 1.2m Antenna System Details



Backpackable design enables low-profile transport.



The lightest, most compact 1.2-meter terminal ever created.

CHANGING THE SHAPE OF SATCOM

GATR is revolutionizing the ultra-portable SATCOM industry with its inflatable communications terminal. 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.