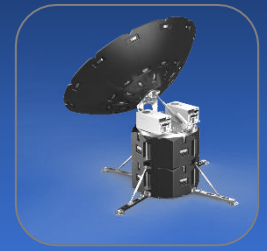


The TT250 is the latest in large deployable satcom terminals for use by commercial and MIL-COM customers world-wide.



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**The TT250 can operate in C, X, Ku, and Ka bands, providing flexibility and interoperability with various satellite networks.**

#### Ease of Use

The user-friendly modular design of the TT250 antenna allows for simple, fast and accurate location and acquisition of the satellite, either as a manually controlled mount or as a fully auto pointing and motorised system, there are no tools required to assemble the TT250.

#### Versatile

The novel light weight and sturdy design includes a truly versatile HPA cradle which can accommodate a wide range of third party HPA's up to 750W in C, X, Ku and Ka-bands, neatly doing away with the long lengths of fragile flexible waveguide normally associated with flyaway systems.

#### Revolutionary

The main reflector is manufactured from high quality carbon fibre and is supplied in easily assembled petals that employ a revolutionary locking mechanism to ensure perfect alignment.

#### Control

The TT250 can be equipped with the Holkirk AIM MOBILE for seamless operation in Quad-Band operation with auto-sensing frequency band, 30 satellite database, BUC/TWT integrated M&C and graphical user interface.

#### Integration

The TT250 can form the heart of a secure communication network. With off-air monitoring, RF over fibre links and ruggedised electronics.

#### Applications:

**DSNG / Broadcast applications**

**Quad-Band secure communications**

**Non-GEO orbit tracking / Inclined**

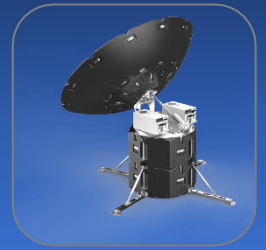
**Satcom as a Managed Service**

**Ranging Terminal**

- Multi-Band C, X, Ku and Ka-Band
- Two cases (antenna only)
- Up to 750W RF Power
- Quick change frequency cassette
- No-tools construction
- 1:1 BUC and LNB options
- Multi-Band integrated ACU with 30 satellite database
- TWT/SSPA integration
- Compact Design
- Minimal Maintenance
- Designed to meet MIL-STD 810G



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### Specifications

Antenna diameter:	250 cm
Geometry:	Centre feed
Reflector material:	Carbon fibre
Azimuth range:	+/- 120°
Elevation range:	0° to 90°
Polarisation range (Linear):	+/- 95°
Temperature	
operational:	-20°C to +55°C
Storage	-30°C to + 70°C
Wind speed   operational:	30 mph (48 km/h) gusting to 45 mph (72 km/h)

	X-Band	Ku-Band	Ka-Band
<b>Receive</b>			
Polarisation:	Circular	Linear	Circular
Frequency band:	7.25 – 7.750GHz	10.95 – 12.75GHz	19.2 – 21.2GHz
Gain (mid band):	43.85 dBi	47.7 dBi	52.59 dBi
g/t (mid band):	23.44dB/k	24.88 dB/k	28.69 dB/k
<b>Transmit</b>			
Polarisation:	Circular	Linear	Circular
Frequency band:	7.90 – 8.40GHz	13.75 – 14.5 GHz	29.0 – 31GHz
Gain @ mid band:	44.58 dBi	49.56 dBi	56.03 dBi
Cross Polarisation:	-30dB	-35dB	-30dB