

CF100

Quick Deploy Terminal

- **1.0M antenna system**
- **Compact and robust**
- **50W Ku-band**
- **80W X-band**
- **Auto-acquire / Pointing ACU**

The CF100 is the world's first truly multi-band compact flyaway with outstanding operation in X and Ku-bands with integrated antenna, RF BUC and auto-acquire ACU, all within a single light weight and robust carbon fibre housing.

Compact and Powerful

The complete system weighs less than 32kg making the CF100 a one-person deployable flyaway that can be transported worldwide with no IATA export restrictions.

The CF100 series can be supplied with System EIRP's of: CF100X X-band 54dBw (max) and CF100KU Ku-band 56dBw (max)

Once at location the CF100 only takes minutes to set-up, point and acquire your desired satellite. Within the weight limit of 32kg the CF100 package includes GPS receiver, Inclinator and Flux gate compass ensuring fast accurate satellite line up anywhere in the world without the need for expensive equipment and resource.



Highly Versatile

The CF100 can be fitted with X and Ku-band RF assemblies which consists of a BUC, waveguide and feed OMT (including LNB).

The band change-over mechanism has been designed to allow fast reliable inter-change without the need for any tool's, making the CF-News-caster a highly versatile unit designed for War-fighters, Peace-Keepers and News Gathers worldwide.

Options:

- 2 – 50W @ Ku-band
- 5 – 80W @ X-band
- Integrated Comtech Vipersat
- Custom paint finish



Specification

	Ku-Band	X-Band
Antenna Size	1.0M	1.0M
Operating Frequency		
Receive (GHz)	10.9 -12.75	7.25-7.75
Transmit (GHz)	13.75-14.5	7.9-8.4
<i>(Tx Appendix 30B (GHz)</i>	<i>12.75-13.25)</i>	-
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Mid-band Gain		
Receive	40.1 dBi	35.0dBi
Transmit	41.8 dBi	36.7dBi
Cross-Polarization (Linear) VSWR		35dB on axis 1.3:1 Max.
System EIRP	56.7dBW	55dBw
54.6dBw/61.6dBw		
BUC Power (P1dB)	30W	50W
Azimuth range Manual	/ Coarse: ±180° / Fine ±90°	
Elevation range	5-90°	
Polarization	±90°	
Ambient temperature Operational:	-20°C to +50°C (Antenna only)	
Storage:	-40°C to + 70°C	
Solar radiation	1,200 W/m2	
Wind speed (with ballast or anchors)	20m/s (45 mph)	
Operating humidity	100% condensing	
Rainfall Maximum 100 mm/h (4 in/h),	excluding link budget effects	
Altitude	Up to 3,000 m (9,850 ft)	
Survival:	Up to 10,000 m (32,800 ft)	

COMPLIANCE

- Eutelsat/Intelsat and HispaSat compliant