



1.2m Flyaway Terminals: 1200FA Series

Antenna			
Aperture	1.2 meter effective		
Motion	motorized or hand crank two axis, elevation over azimuth		
Azimuth travel	± 20 degrees from centerline; 360 degrees by moving centerline		
Elevation travel	5 to 90 degrees		
Positioning	manual or automatic step/program/ephemeris tracking; L-band tracking rcvr.		
Satellite acquisition	automatic (with motorized positioning)		
Certifications	Airbus/Astrium X-band		
RF Characteristics			
Frequency bands	X	Ku	Ka
TX (GHz)	7.90 – 8.40	13.75 – 14.5	30.0 – 31.0
RX (GHz)	7.25 – 7.75	10.95 – 12.75	20.2 – 21.2
EIRP (dBW)	52.0 @ 7.9GHz (40W BUC)	58.5 @ 13.75GHz (40W GaN BUC)	63.0 @ 30.0 GHz (25W BUC)
G/T (dB/K, 10° elev.)	16.0 @ 7.5 GHz	20.0@11.85 GHz	22.5@20.7 GHz
Feed ports	1 tx; 1 rx	1 tx; 1 rx	1 tx; 2 rx
Polarization	circular tx RHCP, rx LHCP reversible	linear tx opposite to rx motor or hand crank adj.	circular tx RHCP rx LHCP and RHCP reversible
IF: block L-Band (MHz)	950-1450	950-1700	1000-2000
Monitor & Control			
Platform	PC-based system		
Software	Windows-based GST proprietary M&C software		
M&C points	antenna controller, RF/IF equipment, satellite modem		
User Interfaces			
	<ul style="list-style-type: none">• tx L-band, type N connector• rx L-band, type TNC connector• tx & rx L-band monitor ports• monitor & control port: RS-485		
Deployment			
Setup time	less than 15 minutes with two trained technicians		
Frequency band change	less than 5 minutes		
Tools	no tools required		
Power			
External source	100-240 VAC Single Phase 47/63Hz; 600VA (with X-band 40W BUC)		
Environmental			
Operating temperature	-20° to +55°C, with 360 BTU/ft²/hour. Solar loading		
Storage temperature	-50° to 65°C		
Relative humidity	100%		
Rain	2 inches per hour		
Ice	2 inch accumulation on exposed surfaces (storage/transportation)		
Atmospheric conditions	salt, sand, and pollutants as encountered in coastal and industrial locations		
Wind	operational to 15 mph without restraining weight; to 60 mph with restraining weight.		

