



2.4m Flyaway Terminals: 2400FA Series

Antenna

Aperture	2.4 meter effective
Motion	motorized two axis, elevation over azimuth
Travel range	azimuth ± 15 degrees; elevation 5 to 90 degrees
Positioning	manual & automatic step/program/ephemeris tracking; L-band tracking rcvr.
Satellite acquisition	automatic
Polarization C-band	circular & linear cross-pol; linear co-pol optional
Polarization Ku-band	linear cross-pol; linear co-pol optional
Polarization X-band	circular; RHCP tx, LHCP rx reversible
Polarization Ka-band	circular; RHCP or LHCP tx and rx (1 tx port, 2 rx ports)
Certifications	ARSTRAT/DISA X and Ka-band; Airbus/Astrium X-band
Type Approval	GVF/Intelsat; ID IA085A00 (C-band); IA087A00 (Ku-band)

RF Characteristics

Frequency Bands	C	X	Ku	Ka
TX (GHz)	5.850 – 6.650	7.9 – 8.4	13.75 – 14.5	30.0 – 31.0
RX (GHz)	3.400 – 4.200	7.25 – 7.75	10.95 – 12.75	20.2 – 21.2
Max. eirp (dBW)	59.5	62.0	65.0	69.5
	(100W BUC)	(100W BUC)	(70W BUC)	(50W BUC)
G/T (dB/K, 10 elev)	18.0	22.0	26.0	28.5

Monitor & Control

Platform/software	PC operated Windows-Based Global Satcom proprietary M&C software
M&C points	antenna controller, RF/IF equipment, satellite modem
Operating configurations	local or remote up to 250 feet or greater with fiber optic option

User Interfaces

tx/rx L-band interface with BUC/LNB for satellite modem
tx/rx carrier monitors; L-band, type N connectors
RS-485 & RS-232 PC access to monitor & control system

Deployment

Setup time	less than 30 minutes with two trained technicians
Frequency band change	less than 10 minutes
Tools	tools not required

Power

External source	100W BUC: 90-265 VAC single phase 47-63 Hz 750 VA; antenna controller: 90-264 VAC single phase 47-63 Hz 200 VA
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Environmental

Operating temperature	-40° to +60°C ambient, with 360 BTU/ft ² /hour solar loading
Storage temperature	-50° to 65°C
Relative humidity	100%
Rain	2 inches per hour
Ice	2 inch accumulation on exposed surfaces
Atmospheric conditions	salt, sand, & pollutants as encountered in coastal & industrial locations
Wind	operational to 45 mph, gusting to 60 mph with restraining weight; survival 85 mph with antenna stowed with restraining weight