



Size:

2.40m

PFA-240

Adaptable Configuration for Any Frequency

The PFA-240 is readily configurable across C, X, Ku, and Ka bands to provide instant satellite communications wherever reliable connectivity is needed. It delivers robust transmission for corporate networks, military deployments, emergency response, and other missions in harsh environments.

IATA Compliant Design for Worldwide Reach

Housed in IATA-compliant flight cases, this fly-away system travels on commercial airlines to any global destination. The rugged packaging ensures safe transport while maintaining weight restrictions, making remote deployment straightforward and hassle-free.

Rapid Assembly with Advanced Composite Materials

Constructed with a durable nine-segmented carbon-fiber main reflector, folding feed-arm, and fixed sub-reflector, the PFA-240 enables two operators to complete tool-free installation in under 12 minutes. The precision surface delivers exceptional sidelobe and cross-polar performance.

Key Features

- C, X, Ku, Ka Band options are available
- Manual & Auto Versions Available
- Dual offset Carbon-Fiber 9 pieces segmented reflector
- Easy acquisition without any training and tools
- Less than 5 minutes ready to operation with two people
- Interchangeable Feeds
- High resistance for toughest weather conditions (wind, rain, sun...)
- Aluminium alloy tripod support legs
- DVB/ Beacon Tracking
- Optional LTE / 5G supported modem for load balancing and bonding solutions
- Optional De-Ice System





GENERAL SPECIFICATIONS

Reflector Diameter	2.4m
Reflector Type	Offset
Setup Time	~12 Minutes
Antenna Concept	Dual focus antenna with 9 segmented 2.4m main reflector, folding feed-arm, fixed sub-reflector

RF CHARACTERISTIC

	C-Band	X-Band	Ku-Band	Ka-Band
Frequency (GHz) Tx	5.850 - 6.725	7.9 - 8.4	13.75 - 14.50	17.7 - 21.2
Frequency (GHz) Rx	3.40 - 4.20	7.25 - 7.75	10.70 - 12.75	27.5 - 31
Antenna Gain (±0.2 dBi) Tx	41.7 (Midband)	44.0+20log(f/8.25)	48.8 (Midband)	51.7+20log(f/29.25)
Antenna Gain (±0.2 dBi) Rx	37.4 (Midband)	43.3+20log(f/7.5)	47.3 (Midband)	48.2+20log(f/19.45)
Polarization	Linear/Circular	Circular	Linear	Circular
TX/RX Isolation	85 dB			
VSWR	1.3			
Cross Polar Rejection	>35 dB within 1 dB beamwidth			
Antenna Pattern Compliancy	ITU-R S.580-6 and ITU-R S.465-6			

MECHANICAL SPECIFICATIONS

	Azimuth	Elevation	Polarization
Antenna Travels Range	360°	0° to 85°	-90° to 90°
Number of Cases	7 Cases		

ENVIRONMENTAL SPECIFICATIONS

	PFA-240
Temperature Range Operational	-30°C to 55°C
Temperature Range Survival	-40°C to 70°C
Wind Speed Operational	45 km/h
Wind Speed Operational (with ballast)	65 km/h
Wind Speed Survival	80 km/h
Wind Speed Survival (with ballast)	100 km/h
Rain	Survival in heavy rainstorm
Humidity	Up to 100% with condensation

Specifications are subject to change.

