

# FlyARX

## Broadband, Seamless and Resilient SATCOM for Critical Missions

Flyaway and manpack antennas are compact, field-proven SATCOM systems engineered to support mission-critical communications in remote or harsh environments. Designed for ease of transport and rapid deployment, these systems provide secure, high-throughput connectivity over GEO X/Ku/Ka-Band satellites – ensuring reliable communication for defense forces, government agencies, and first responders.

Ideal for C4ISR operations, emergency response, mobile HQs, and forward-deployed units, the terminals enable real-time video, voice, and data exchange wherever the mission demands.

### Key Features

- Interoperability with Land, Naval and Air Forces
- P2P and P2MP Support
- Global Operational Capability
- Ruggedized for Harsh Environments
- Compact and lightweight design
- Fast setup & auto-acquisition
- MIL-STD compliant options

### Operational Advantages

- Supports Secure, Real-Time Command and Control (C2) Functions
- Ideal for C4ISR, emergency comms, and remote access



Flyaway Terminal

Antenna Specifications		
Reflector Size	120cm	180cm
Frequency	Ku Band : Receive 10.95 - 12.75 GHz, Transmit 13.75 - 14.5 GHz Ka Band : Receive 17.7 - 21.2 GHz, Transmit 27.5 - 31.0 GHz	
Gain	Ku Band : RX 41 dBi, TX 42dBi Ka Band : RX 45 dBi, TX 48dBi	Ku Band : RX 44 dBi, TX 46dBi Ka Band : RX 48 dBi, TX 52dBi
Power & Consumption	28 VDC / Max. 200W	28 VDC / Max. 500W
Weight	45Kg	80Kg
Operating Temperature	-32°C to +50°C	
Storage Temperature	-40°C to +60°C	

Pedestal Movement		
Azimuth	+ - 200°	+ - 170°
Elevation	10° - 90°	
Polarization	+ - 90°	
Velocity & Acceleration	Azimuth: 0.1° to 3°/s Elevation : 0.1° to 3°/s Polarization : 0.1° to 3°/s	

Modem	
Waveform	DVB S2
Power & Consumption	28 VDC / Max. 70W
Weight	5Kg
Operating Temperature	-40°C to +50°C
Storage Temperature	-55°C to +70°C
Encryption	AES25
Certificates	MIL STD 810, MIL STD 461