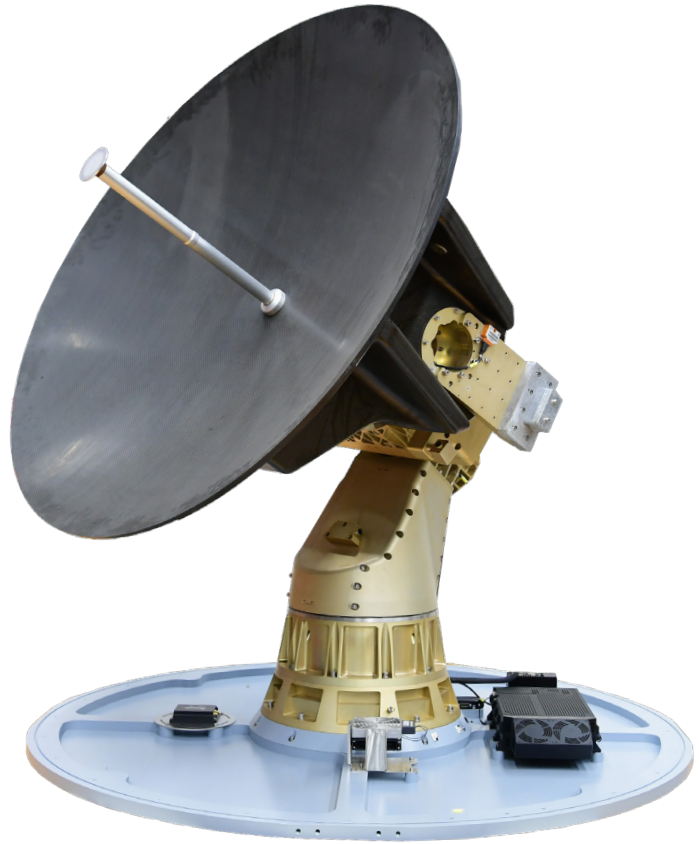




Ka45-M, Ka60-M, Ku45-M, Ku120-M, X100-M, X150-M,
X180-M

SHIPBORNE SATELLITE
COMMUNICATION TERMINALS

#MilitaryCommunication



aselsan

Ka45-M, Ka60-M, Ku45-M, Ku120-M, X100-M, X150-M, X180-M SHIPBORNE SATELLITE COMMUNICATION TERMINALS

3-axis stabilized satellite communication antenna systems with 45 cm, 60 cm, 100 cm, 120 cm, 180 cm reflector have been developed indigenously to meet the requirements of every maritime platform. The radoms have been developed according to the maritime platform with minimum RF loss.

Utilization of the cross-elevation axis prevents the antenna from key-hole effect at high elevation angles which gives uninterrupted satellite communication at equatorial maritime regions of the world.

Satellite Communication antenna systems with various reflector sizes ranging from 45 cm up to 180 cm can be used with RF power amplifier units that have different output power levels, depending on user and platform requirements.

Single or dual antenna can be used according to the platform requirements. Dual antenna usage gives uninterrupted satellite communication on the platform. Blind Sector Selection ability helps to operate SATCOM System in compatible with other electronic systems.

Features

- Integrated LNB, GPS and Gyro module
- Adjustable non-transmission area option
- Configurable for different ship platforms according to the user requirements
- MIL-STD-810, MIL-STD-461 tested

Functional Features

- 3-Axis Stabilization and Tracking (additional polarization axis for Ku-Band)
- Dual and single antenna control, prevention of key-hole effect
- High tracking performance with beacon signal and/or INS data
- QoS Management: Prioritization for services such as voice, data and video teleconferencing etc., configurable data rate according to the user requirements
- Compatible system architecture with various crypto devices
- Configurable Interfaces according to the user requirements
 - IP Based, Secure/Non-secure voice, data, video teleconferencing and fax communication
 - Serial based data communication (RS232, RS449, Link Communication etc.)

RF Features

X-Band Family

	AcroSAT X100-M	AcroSAT X150-M	AcroSAT X180-M
Tx Gain	> 36 dBi	> 40 dBi	> 41,5 dBi
G/T	> 12 dB/K	> 18 dB/K	> 20 dB/K
Rx Frequency	7,25 - 7,75 GHz		
Tx Frequency	7,90 - 8,40 GHz		

Ku-Band Family

	AcroSAT Ku45-M	AcroSAT Ku120-M
Tx Gain	> 35 dBi	> 42,5 dBi
G/T	> 11 dB/K	> 17 dB/K
Rx Frequency	10,95 - 12,75 GHz	
Tx Frequency	13,75 - 14,5 GHz	

Ka-Band Family

	AcroSAT Ka45-M	AcroSAT Ka60-M
Tx Gain	> 35.5 dBi	> 43.30 dBi
G/T	> 11.5 dB/K	> 16 dB/K
Rx Frequency	17.7 - 22.2 GHz	17.7 - 22.2 GHz
Tx Frequency	27.5 - 31.0 GHz	27.5 - 31.0 GHz

X100-M



X150-M/X180-M



Ku45-M



Ku120-M

