ACROSAT

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Ka120-OP, Ku150-OP, X150-OP
SATCOM ON THE PAUSE SATELLITE
COMMUNICATION TERMINAL

#MilitaryCommunication

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Ka120-OP, Ku150-OP, X150-OP
SATELLITE COMMUNICATION TERMINAL

With its ability of beyond line-of-sight communication and endurance to various geographical conditions, Satellite Communication Systems are indispensable communication tools by satisfying campaign/ logistic requirements below, when there is no communication system left or the capabilities of the communication systems are restricted:

- Forming tactical picture
- Reliable communication environment with high data rate between tactical units and operation/command centers
- Communication infrastructure providing integration of elements in the tactical field with strategical networks
- Communication ability of tactical units with civilian communication environments

Satcom on the Pause Satellite Communication Systems have auto-tracking antenna subsystem which can be mounted not only on a tactical or off-road vehicle but also on a trailer. 120 cm and 150 cm reflector alternatives for various vehicular platforms are indigenously developed by ASELSAN.

They can work with several satellites which provide service in relevant frequency bands.

Features

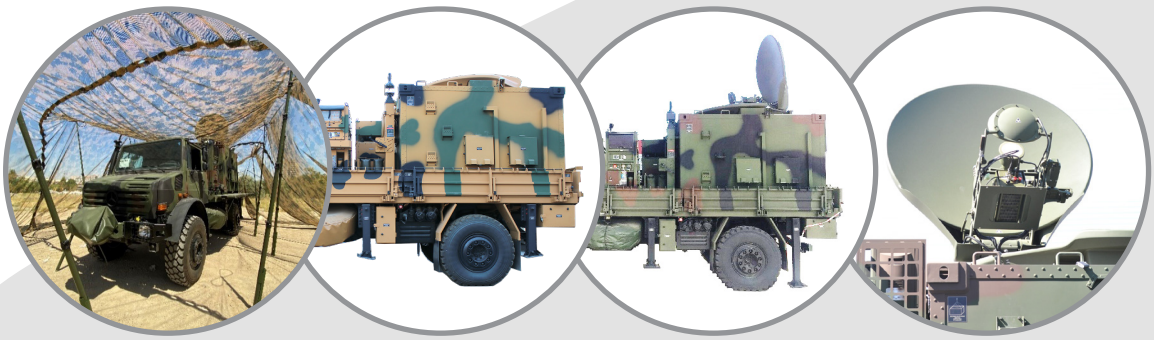
- Fast link establishment to selected satellite via auto-tracking antenna subsystem that is mounted on a vehicle or trailer
- Access and control the terminal equipment via Monitoring and Control Software
- Designed, tested, validated, and certified to comply with both MIL-STD-810 and MIL-STD-461

Functional Features

- QoS Management: Prioritization for services such as voice, data and video conferencing etc., configurable voice/data rate according to the user requirements
- Compatible system architecture with National and NATO crypto devices
- Configurable Interfaces according to the user requirements
  - IP or analog based secure/non-secure voice, data, video conferencing and fax communication
  - Serial based data communication (RS232, RS449, Link communication etc.)

RF Features

	X-Band
	AcroSAT X150-OP
Tx Gain	> 39,50 dBi
G/T	> 18 dB/K
Rx Frequency	7,25- 7,75 GHz
Tx Frequency	7,90- 8,40 GHz
	Ku-Band
	AcroSAT Ku150-OP
Tx Gain	> 43,50 dBi
G/T	> 23 dB/K
Rx Frequency	10,95 – 12,75 GHz
Tx Frequency	13,75 – 14,5 GHz
	Ka-Band
	AcroSAT Ka120-OP
Tx Gain	> 43.5 dBi
G/T	> 21.5 dB/K
Rx Frequency	17,7 – 21,2 GHz
Tx Frequency	27,5- 31 GHz



HBT - AcroSAT Ka120-OP, Ku150-OP, X150-OP - 12.2024

CALL CENTER +90 850 360 10 30 | P: +90 (312) 592 10 00 F: +90 (312) 354 13 02 | hbtmarketing@aselsan.com

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