

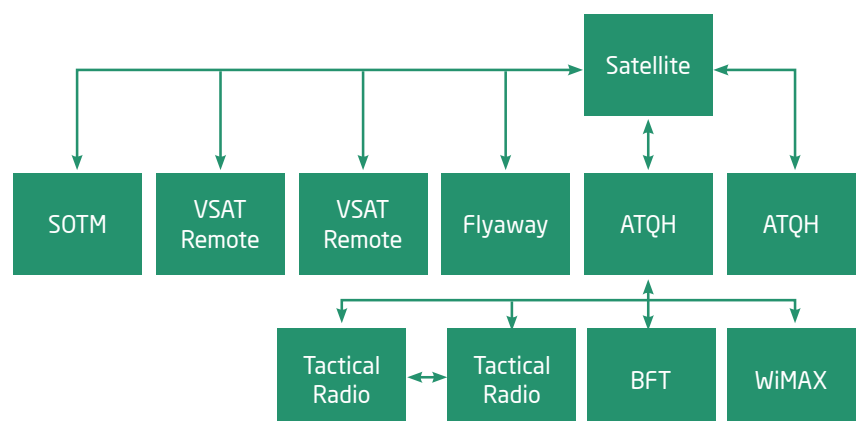


# SATCOM At The Quick Halt

Nowadays, military tactical operations require high speed broadband satellite communications over different types of vehicles.

The new SATCOM At The Quick Halt (ATQH) is the latest generation of tactical Terminals on the market. ATQH SATCOM Terminal outperforms previous generation with its higher data rates, field-adaptable all-bands operation, low weight and reduced prime power needs.

ATQH can be configured in different versions according to the specific missions satisfying the highest interoperability requiremen.





## Solution overview

Indra's ATQH Terminal converts any vehicle into a complete Communications Station by integrating all the systems, not only the SATCOM. This solution converges SATCOM, tactical radios, data links, WiFi/WiMAX, Blue Force Tracking devices and other comms, equipment into just one system. The terminal can be installed in different kinds of military land vehicles.

## Options

- Extended Ku Band frequency range: 13.75-14.50GHz.
- Crypto: External or AES through the modem.
- TCP accelerator.
- Network configuration: hub station, remote station or mini-hub station.
- Different radiofrequency powers available.

## Highlights

- Quick deploy high gain antenna.
- Supports the installation of a network management for sub-networks.
- Fits in a single vehicle all the equipment needed for a pseudo hub operation.
- IP based communications.
- Multi-carrier high data rate operation Supports Tactical Voice, BFT, C2Network, SATCOM through IP radios.
- Extra-efficient power usage.

Technical characteristics	X Band	Ku Band	Ka Band
Antenna type	Offset		
Antenna diameter	2.4 m.		
Antenna control	Automatic quick-deploy, beacon receiver and tracking		
Azimuth adjustment	+/-150° continuous		
Elevation adjustment	0 to 90°		
Reception frequency range	7.25-7.75GHz	10.95-12.75GHz	20.2-21.2GHz
Transmission frequency range	7.9-8.4GHz	14.0-14.5GHz	30.0-31.0GHz
Feed port	2	2	2 or 4
Polarization	Circular	Linear	Circular
G/T (midband)	≥22dB/K	≥25dB/K	≥25dB/K
EIRP	≥63dBW (150W @ P1dB)	≥68dBW (100W @ P1dB)	≥66dBW (40W @ P1dB)

General performances	
Deployment time	>20 min.
Modem configuration	Modem agnostic FDMA (SCPC) / TDMA
UPS autonomy	10 min.
On-board generator	>10 h. autonomy (10KVAs)
Services	Voice, data and multimedia
M&C	Complete remote control

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Indra reserves the right to modify these specifications without prior notice

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