

Scorpion-lite is a highly integrated satcom terminal, small, lightweight and everything you need to communicate is in one single IATA compliant case



The Scorpion-lite is simple to install and use, with a user-friendly interface and a durable design. You can use it to send emails, make calls, stream videos or access secure networks with ease. The battery life of the Scorpion-lite is impressive, lasting up to 3 hours on a single charge.

Fast Deployment - Once at your desired location the Scorpion-lite is very fast and easy to put together, made up of only 7 rugged and easy to assemble pieces requiring no tools, the Scorpion-lite can be assembled in minutes.

Easy Pointing - The Scorpion-lite is equipped with an ingenious onboard manual pointing assistant (AIM ASSIST) designed to provide you with a full set of intelligent features and tools to allow easy access to any satellite network. The AIM ASSIST will provide step-by-step instructions to the user with all the information messages are displayed on an integrated high-definition, ultra-bright display.

Auto Pointing - The Scorpion-lite can also be offered as a full auto-pointing solution with integrated beacon receiver and 10 satellite database.

Network Ready - The Scorpion-lite integrated with either the ST Engineering IQ200 or the MDM2510 and is fully intra-operable with openAMIP.

Local Operation - The Scorpion-lite has an integrated high-definition command screen that will allow the user you to access critical information from all the terminal subsystems including beacon receiver signal level expansion screen and BUC / modem monitoring, this allows full diagnostic and set up without the need for a laptop or tablet.

Remote Operation - There is a fully featured web-based GUI for remote command and control functionality allowing for up to 10 satellites to be programmed into the database. Other features of the command and control includes mimic of terminal interface, manual input for GPS – just in case of jamming, satellite database entry, LNB support and control.



Satcom as a Managed Service (SaaS)

The Scorpion-lite is fully certified on the INTELSAT Flex and SES SKALA platforms and can be deployed globally for fast high-speed and reliable broadband utilising the AIM ASSIST with openAMIP protocols the terminal will assist and instruct which satellite to use and how / where to point.



Applications:

- First responder
- Secure communications
- Broadcast
- e-Medicine



Integrated high-definition screen for control and monitoring of the complete system

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Technical Specifications

KU Band	60cm
TX Frequency	13.75-14.5GHz
Gain TX	37.2 dBi
EIRP (4W)	43.2dBw
EIRP (8W)	46.2dBw
EIRP (16W)	49.2dBw
RX Frequency	10.7-12.75GHz
Gain RX	35.7 dBi
G/T	14.2dBk
Cross pol	30 dB min
Azimuth range	Auto Point - +/- 90° Manual - +/- 360°
Elevation range	0° to 90°
POL range	+/- 95°
Operating temp	-32°C to +55°C (modem dependent)
Operating humidity	100% RH
Operational wind speed	60km/hour (with ballast)
Storage Temperature	-40°C to +70°C
IP Interface	Weatherproof RJ45 connector
Battery life	3 hours (BUC and options dependant)
Battery power range	9VDC to 36VDC
Prime power	240/110VAC and 24VDC
IP Modem	MDM2510, IQ200, UHP110
Terminal weight	Manual - Case 1 - 828mmX467mmX280mm – 23kg (configuration dependent) Auto-point Case 1 - 613mmX478mmX337mm – 14kg Case 2 – 676mmX525mmX378mm – 28kg (configuration dependent)
Terminal IP Rating	IP65
Packing options	Backpack, hard case
Pointing	AIM ASSIST or full auto-point with AIM Mobile
Certifications	CE, FCC, Intelsat FlexMove, SES Designed to meet MIL-STD 810G

Options:

- Battery pack
- Tripod leg extensions

