



# FoldSAT LEO KU OW MIL

## Person-Portable Military User Terminal

Introducing the Inster **FoldSat LEO** Terminal: Experience the freedom with our **portable, self-aligning, user-friendly** terminals, perfect for military missions and emergency response anywhere, anytime. Optimized for the Eutelsat-OneWeb Ku-Band LEO satellite constellation, our cutting-edge technology ensures seamless connectivity beyond traditional networks.

**Foldable, Lightweight and easy to deploy**, the terminal operates effortlessly with an external battery, delivering lightning-fast data, video, and voice services even in the harshest conditions. Its low-profile, foldable antenna makes it a game-changer for any operation.

Engineered to meet **MIL-STD 810H and MIL-STD 461G standards** and equipped with a **built-in Wi-Fi 6 modem**, military-grade components, and essential accessories including a tripod and an optional transit case, the Inster **FoldSat LEO** Terminal combines reliability with performance, making it a go-to solution for both civilian and military operations.

### Features:

Full duplex, foldable, person-portable, flat panel antenna

Throughput up to 195 Mbps/32 Mbps (DL/UL)

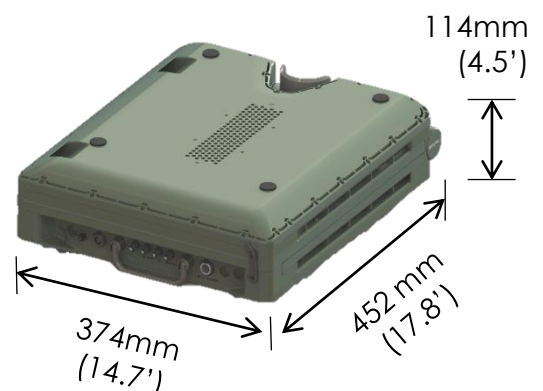
Lightweight and self-aligning

Operates with external OTS batteries

Supports external GNSS input

Wi-Fi 6 capability

### Measures:



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## Portable Satellite Communication Solution



|                                 |   |
|---------------------------------|---|
| <b>Dimensions</b>               | L44.7 cm x W37.4 cm x H11.6 cm (folded)<br>L85.5 cm x W37.4 cm x H5.7 cm (unfolded)           |
| <b>UT Weight</b>                | 12.1 Kg   |
| <b>UT Package Configuration</b> | 21.7 kg (UT, Tripod, MIL AC-DC Power supply, power cables, ethernet cable)                    |
| <b>Input voltage range</b>      | 18 VDC to 36 VDC (terminal)<br>85-264 VAC (AC/DC External accessory)                          |
| <b>Power Consumption</b>        | Peak: 190 W<br>Typical: 150 W   |
| <b>Operating Temperature</b>    | -40°C to +55°C  |
| <b>Storage Temperature</b>      | -40°C to +85°C  |
| <b>Power Options</b>            | MIL AC-DC converter, Vehicle power, Mil Grade battery (180 mins autonomy with 294 Wh battery) |
| <b>Antenna technology</b>       | Full-duplex Ku-band electronically steered antenna  |
| <b>Scanning range</b>           | Azimuth: 0 to 360°  |
| <b>Polarization</b>             | RX: RHCP. TX: LHCP  |
| <b>RX band</b>                  | 10.7 to 12.7 GHz  |
| <b>TX Band</b>                  | 14.0 to 14.5 GHz  |
| <b>Downlink data throughput</b> | up to 195 Mbps  |
| <b>Uplink data throughput</b>   | up to 32 Mbps   |
| <b>Satellite modem</b>          | Embedded Eutelsat-OneWeb modem  |
| <b>Interfaces</b>               | 1 Port Gigabit Ethernet and Wi-Fi 6   |
| <b>Panel lights</b>             | 4 x Night Vision Goggle LED   |
| <b>Ingress protection</b>       | IP65  |
| <b>Certifications</b>           | CE, FCC, UKCA, ISED, ACMA, RoHs, MIL-STD 810H, MIL-STD 461G                                   |

### Connectors & buttons

#### Push button

- On/Off
- Wi-Fi On/off

#### Mil Grade Connector

- RJ45 Data port
- DC Power-in port



#### Green night-vision LED

- Power ON
- Modem Rx lock
- Modem Tx On
- General UT status

### Accessories



Military AC/DC unit



Military Transit Case



Military Tripod



Military Battery



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