

FoldSAT

Leo Ku OW Manpack Civilian User Terminal

Optimized for the Eutelsat - OneWeb **Ku-Band LEO** satellite constellation, our cutting-edge technology ensures seamless connectivity beyond traditional networks.



**Flat panel
electronical
antenna**

Foldable manpack

**Low-size, Low-
weight, Low-power**

**Easy to deploy and
to operate.**

Full duplex

**Up to
195 Mbps/32 Mbps**

Integrated modem

Wi-Fi 6 capability

**Operates with
external OTS
batteries Supports
external GNSS input**

FoldSAT LEO Ku OW

Portable Satellite Communication Solution

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



AC/DC unit

Transit Case



Tripod



Battery

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cipherbit
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UAV Navigation
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