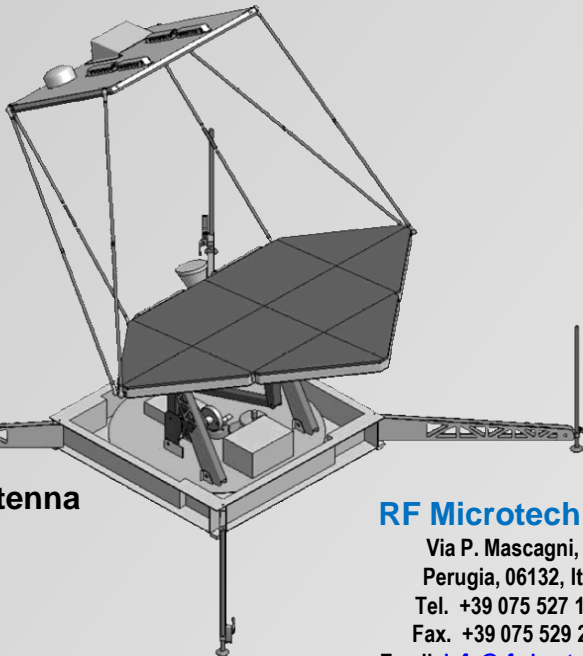


# Man-portable terminal for emergency satellite communications at Ku-band

Reflectarray antenna for a portable satellite user-terminal for high data rates via a GEO satellite in Ku-band. Thanks to the electronic reconfigurability, the satellite terminal quickly establishes the data communication link. The foldable structure ensures easy transportability and short set-up time (15min).

<b>Size (closed)</b>	70cm x 70cm x 34cm
<b>Size (open, base included)</b>	120cm x 120cm x 150cm
<b>Weight</b>	47Kg
<b>Operating frequencies</b>	Downlink: 10.7-12.5GHz; Uplink 14-14.5GHz
<b>Antenna polarization</b>	Both H- and V-polarizations in TX/RX
<b>G/T</b>	10 dB/K
<b>EIRP</b>	32 dBW/40KHz, Regulation mask ETSI-EN. 301.428 and ITU-R S.728.1
<b>Beam steering</b>	Rough mechanical steering and +/-10° electronic refinement in azimuth and elevation

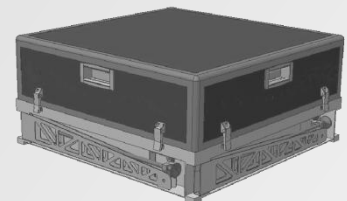


Open antenna

## Partners

- RF Microtech (Italy)
- ELITAL (Italy)
- Universidad Politecnica de Madrid
- TriaGnoSys (Germany)

Closed antenna



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