Flat Panel Terminal Phoenix

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Phoenix is a rugged, compact and lowprofile Ku-Band flat panel terminal designed for seamless communication while maintaining high mobility. The terminal stands out for its slim form factor, which allows for unnoticeable integration into various environments. Integrating RF, modem and cooling system into one module ensures compact size and unobtrusive design, making it perfect for urban settings and discreet deployments.

Military-grade design
– reliable construction
in every condition, IP65 rating.

Low weight – less than 16 kg.

Comes with dedicated hard case.

Intuitive antenna pointing support - no complicated training required.

Quick deployment - system ready to work in minutes.

MODULES

• Dedicated to use with GEO constellations, Ku-Band.

• Different modem options: for TDMA and SCPC operation.

• Intuitive antenna pointing support basing on Modem signal or satellite's Beacon signal.

• Compact and low weight solution.

• Ready to work in minutes.

• Local GUI for terminal monitor and control.

• Different mounting frames available.

POWER

• Capable to supply from: AC (mains), DC, BB-2590 batteries.

• If BB-2590 batteries provided - power supply acts as UPS, providing uninterrupted satellite

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3 avenue du Canada, bât. Zeta, 91940 Les Ulis, France   +33 1 69 18 19 30   www.eurosatcom.eu   sales@eurosatcom.eu

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TECHNICAL SPECIFICATION

Main parameters

RF module

Transmit frequency	13.75 GHz to 14.50 GHz
Receive frequency	10.70 GHz to 12.75 GHz
Polarization type	Linear
Polarization adjustment	Manual
BUC options	8 W, 10 W, 12 W, 16 W, 20 W
Linear EIRP	44 dBW
G/T	8 dB/K

Modem & UI

Supported modems	ND Satcom 5G mini
	iDirect IQ200, 950 mp
	Teledyne Paradise Datacom Q-Lite
	Other - upon request
Features	Intuitive antenna pointing algorithm
	Built-in Beacon receiver and GPS receiver

Power supply

AC (mains)	80–240 VAC, 45–63 Hz
DC	12–36 V
Battery	BB-2590 with charging option

Mechanical parameters

Mounting frame	Tripod
	Low-profile frame
Elevation range	0° to 90°
Polarization range	±180°
Dimensions (low-profile frame, folded)	30 cm × 40 cm × 14 cm (11.0 in × 16.3 in × 5.5 in)
Weight (with low-profile frame)	16 kg (35.27 lb)
Number of cases	1, with wheels

Environmental

Standard compliance	MIL-STD 810
Operating temperature range	-30 °C to 50 °C (-22 °F to 122 °F)
Storage temperature range	-40 °C to 60 °C (-40 °F to 140 °F)
Operational wind speed	45 km/h (28 mph)
IP rating	IP65

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G/T = 8 dB/K

EIRP = 44 dBW

Built-in intuitive GUI

Low-profile frame

Power and M&C military grade connectors

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