

EXPLORER 6100 Ku 1m Auto-acquire Fly-away VSAT System

Powered by Intelsat FlexMove



A portable solution for your on-the-go-communications.

- Ubiquitous, always-available portable connectivity
- Up to 20x faster than Mobile Satellite Services (MSS) at a fraction of the cost
- Suitable for defense, emergency response, media, remote office set-up and more
- Intelsat FlexMove qualified terminal

Online with a push of a button. The EXPLORER 6100 Ku features a user friendly design that allows operators with little satellite experience to access satellite services quickly. With automated acquisition, it finds the satellite within minutes, providing rapid access. This solution sets new standards for deploying Fly-away VSAT systems in the field.

Uninterrupted communications. Seamless connectivity thanks to Cobham's unique Dynamic Pointing Correction technology. It ensures that the antenna stays locked on to the satellite, even in strong wind or if moved.

Access any broadband application with this robust, easy-to-configure terminal. This pioneering auto-deploy, fly-away system ensures continuity of operations by enabling remote video conferencing, IP and data services, voice, and live streaming/broadcasting.

As the world's first high-throughput satellite (HTS) service for land mobility, **FlexMove** enables global, resilient, on-demand connectivity – even in the most remote and hostile locations.



Powered by the Intelsat Epic HTS fleet and wide beam global Ku-band network



Redundant and survivable solution for mission-critical, data-intense applications

Cobham EXPLORER 6100 Ku System Features

- 1 m 7-piece carbon fiber reflector
- Advanced Dynamic Pointing Correction technology
- IP65 rated
- WLAN access point and LAN interface
- LCD display and web-based user interface for easy PC and Smartphone configuration
- 2 case solution that is easy to carry and airline checkable
- Replaceable Ku-band Feed Horn
- FlexMove qualified with iQ 200 external modem*



SPECIFICATIONS

MODEL NO

EXPLORER 6100 Ku

ANTENNA TYPE

1 m Stabilized Auto-acquire Fly-away Antenna System

REFLECTOR SIZE

1.0 m

FEED

2 Port Linear (Rx Co- or X-pol)

FREQUENCY RANGE

Tx: 13.75 - 14.50 GHz

Rx: 10.70 - 12.75 GHz

GAIN (DBI ± 0.2 AT MIDBAND)

Tx: 41.6 dB

Rx: 39.9 dB

CROSS POL ISOLATION WITHIN 1 DB

CONTOUR

Tx: >30 dB

Rx: >30 dB

G/T - COMM AT 30°EL, MIDBAND

19.5 dB/K

EIRP AT MIDBAND

50.6/54.6 dBW

BUC (WATTS)

8 W

ENVIRONMENTAL

WIND SPEED:

Operational: 48 km/h / 30 mph (anchored)

Survival: 118 km/h / 73 mph (anchored)

TEMPERATURE:

Operational: -33° to +55°C (-27.4° to +131°F)

Survival: -40° to +80°C (-40° to +176°F)

WATER & DUST

IP 65 rated

MECHANICAL

AZIMUTH

± 95° from stow position

ELEVATION

0° to 88°

ELECTRICAL

POWER CONSUMPTION

165 W

MAX. BUC POWER**

Via Coax: 250 W / 7A

Via M&C Connector: 600 W / 13A

POWER REQUIREMENT

Nominal: 24-48 VDC

Absolute max. rating 19-56 VDC

WEIGHTS & MEASUREMENTS

SYSTEM WEIGHT (ASSEMBLED)

28 kg / 61.7 lbs (incl. BUC)

PACKAGING

2 Peli 1637 Air Cases

CASE SIZE (L/W/D)

Airline checkable

67.6 / 52.5 / 37.8 cm

26.6 / 20.7 / 14.9 inches

WEIGHT IN TRANSPORT CASES

Case 1: Base Unit, 4 reflector panels:

24 kg / 52.9 lbs

Case 2: RF Package, 3 reflector panels:

20.8 kg / 45.9 lbs (8W)

PRODUCT NUMBER

406627A-50214

EXPLORER 6100 Ku (8 W BUC)

*CURRENT VERSION UTILIZES EXTERNAL IQ 200 MODEM. 2021 FORECAST FOR INTEGRATED IQ 200 MODEM.

**POWER CONSUMPTION IS LIMITED BY THE CURRENT, I.E. MAX. BUC POWER REQUIRES MAX. INPUT VOLTAGE OF 48VDC.



To learn more about IntelSat FlexMove, visit intelsat.com/land-mobility or contact your local sales representative.

Africa

+27 11-535-4700

sales.africa@intelsat.com

Asia-Pacific

+65 6572-5450

sales.asiapacific@intelsat.com

Europe

+44 20-3036-6700

sales.europe@intelsat.com

Latin America & Caribbean

+1 305-445-5536

sales.lac@intelsat.com

Middle East & North Africa

+971 4-390-1515

sales.mena@intelsat.com

North America

+1 703-559-6800

sales.na@intelsat.com