

# 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

## 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.



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To learn more about Intelsat FlexMove, visit [intelsat.com/land-mobile](https://intelsat.com/land-mobile)  
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