

# The Intelsat Portable 30 Manual Satellite Terminal



## Enabling uninterrupted, always-on connectivity for comms-on-the-pause (COTP) anywhere in the world

### The Compact and Lightweight Intelsat Portable 30 Terminal

- » Includes a 30 cm antenna with satellite modem, power supply, built-in Ethernet, Bluetooth, and a WiFi interface
- » At 6.5 kg (14.3 lbs.), can be easily transported and quickly deployed
- » Intuitive manual satellite pointing with acquisition in as little as 3 minutes
- » Weatherproof, integrated, all-in-one design offers enhanced durability and reduces the potential for damage
- » Hot-swappable external battery packs supply up to 2.5 hours of use

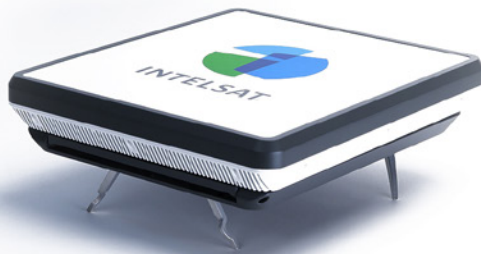
- Fully integrated, highly portable terminal that is easy-to-transport, and quick to set-up and operate
- Simple and intuitive user experience
- Ideal for emergency response, live streaming, and enterprise applications with a built-in WiFi router for easy access to the network

The Intelsat Portable 30 delivers high-speed satellite connectivity anywhere in the world for a wide range of communications scenarios. From emergency response, remote exploration, and live video streaming to countless vertical market and NGO applications, users can quickly and easily deploy the Intelsat Portable 30 to establish a communications network and ensure constant connectivity in the absence of a suitable terrestrial network or power supply. With its lightweight design and intuitive interface, the terminal can be transported and deployed quickly and can be easily operated by any user in the field, no matter the level of satellite experience or proficiency.

- Establish a temporary, on-demand critical communications channel from any location
- Reliable high-speed data, voice, and video connectivity in the absence of terrestrial networks

**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 isolated locations.**

- Powered by Intelsat's global, multi-layered HTS network
- Redundant and survivable solution for mission-critical, data-intense applications



## Specifications

**MODEL NO**  
I-FM30PM-1

**ANTENNA TYPE**  
Horn waveguide array antenna

**EQUIVALENT TO PARABOLIC ANTENNA SIZE**  
0.3m

**FREQUENCY RANGE**  
Tx: 13.75~14.50GHz Rx: 10.70~12.75GHz

**POLARIZATION**  
Dual Linear

**RECEIVING GAIN**  
≥31.2dBi @ 12.75GHz

**TRANSMITTING GAIN**  
≥32 dBi @ 14.5GHz

**G/T**  
10dB/K, 25° Elevation

**FIRST SIDELobe**  
≤-14dB

**SATELLITE ACQUISITION**  
Manually pointing to satellite, level error<0.2°

**AZIMUTH RANGE**  
Unlimited, fine tune ±5°

**ELEVATION RANGE**  
10°~90° continues, fine tuning ±5°

**POLARIZATION**  
±70°

**POWER SUPPLY**  
DC 24V ±5%, dual built-in hot-swappable batteries, total average battery life ~2 hours

**POWER CONSUMPTION**  
16W BUC / 105-150W

**DIMENSIONS**  
(L×W×H): 385x350x85 mm (Stowing)

**WEIGHT**  
6.5 Kg (typical configuration)

**OPERATIONAL TEMPERATURE**  
-25°C ~ +50°C

**INGRESS PROTECTION**  
IP66

**HUMIDITY**  
0 ~ 95%

**SATELLITE MODEM**  
iDirect IQ 200 modem

**BUC SIZE**  
16W

**CERTIFICATIONS**  
FCC, CE and ACMA

**OTHER**  
Built in WIFI, Bluetooth and LAN Port (RJ45 10/100/1000),

**COUNTRY OF ORIGIN**  
Made in Singapore