The Fully Automated, Flat Panel **Starwin uSat Terminal**

Powered by Intelsat FlexMove

A portable, cost-effective comms-on-the-pause satellite terminal.

- Ubiquitous, always-on portable connectivity
- Up to 20x faster than Mobile Satellite Services (MSS) at a fraction of the cost
- Suitable for emergency response, public safety organizations, NGOs and more
- Intelsat FlexMove qualified terminal

The game-changing Starwin uSat terminal uses an advanced, high-gain flat array antenna system. With automatic pointing and easy-to-deploy set up, end-users can quickly acquire connection with the Intelsat FlexMove network in just minutes.

The uSat terminal meets the demand of mission-critical operations on-the-go by making satellite communications simple and easy. A wide range of applications are seamlessly enabled through the FlexMove fully provisioned managed service.
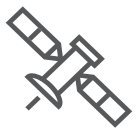
Powerful, highly compact terminal designed for temporary use in a fixed location

Reliable data, voice, and video transfer in areas without 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 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

INTELSAT | StarWin

The Starwin uSat Flat Panel Portable Auto-Pointing Terminal

- All-in-one, fully integrated with modem, BUC, LNB, Wi-Fi and power supply

- High gain efficiency

- Compact in size with optional backpack for easy transport

- Pre-configured network allows for secure satellite lock within minutes

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SPECIFICATIONS

MODEL NO
FL60P-E

ANTENNA TYPE
Slotted waveguide array antenna

EQUIVALENT TO PARABOLIC ANTENNA SIZE
0.6m

FREQUENCY RANGE:
Tx: 13.75~14.50GHz
Rx: 10.95~12.75GHz

POLARIZATION
Linear

RECEIVING GAIN
≥35dBi

TRANSMITTING GAIN
≥36dBi

G/T
13dB/K

FIRST SIDELOBE
≥15dB

SATELLITE ACQUISITION
Automatically pointing to satellite,
level error<0.2dB

AZIMUTH RANGE
Unlimited, fine tune ±80°

ELEVATION RANGE
7° ~ 90°

POLARIZATION
±110°

POWER SUPPLY
AC 90-264V (DC 24V ±5% Optional)

MAX POWER CONSUMPTION
120W (with 6W BUC, searching process)
85W (Access Network)

TERMINAL DIMENSIONS (not including cables and backpack)
(L×W×H): 680×650×240 mm

TOTAL TERMINAL WEIGHT (not including cables and backpack)
18 Kg (Max)

WIND (Operational)
14m/s (50km/h)

OPERATIONAL TEMPERATURE
-25°C to +50°C

INGRESS PROTECTION
IP-66

HUMIDITY
0 ~ 95%

SATELLITE MODEM
iDirect IQ 200 modem

TYPICAL BUC
6W

TYPICAL LNB
PLL LNB 30K for TDMA systems
PLL LNB 5K for SCPC systems

WIRELESS ROUTER SUPORTED PROTOCOLS
IEEE 802.11b/g/n at 2.4GHz

LAN PORT (RJ45)
Gigabit Ethernet

BLUETOOTH DEVICE
v.2.0

GNSS DEVICE SUPPORTS
GPS/GLONASS/BeiDou-2/Galileo

INTELSAT

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