STARWIN FL60P

Fully automated flat panel satellite terminal

A new generation of fully automated flat panel satellite terminals, StarWin FL60P is a unique system that is easy to deploy within minutes. It offers users of satellite dish systems a revolutionary alternative to parabolic antennas. The satellite router, WiFi, RF units, power supply, and cutting-edge antenna system are completely integrated into a compact device. Powered by Intelsat FlexMove, a global multi-layerd High Throughput Satellite (HTS) network, it is 20x faster than L-Band systems. Moreover, it enables a wide range of applications over its pre-configured FlexMove service, including data, voice, and video transfers. StarWin FL60P is the perfect affordable comms-on-the-pause terminal in areas without terrestrial networks.

FEATURES

Fully integrated with modem, WiFi, antenna, and power supply

Intuitive display for quick satellite network acquisition

High gain efficiency

Cost-effective data, voice & video transfers

Comms on the pause (COTP)

Compact and ultra-lightweight

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°

POLARISATION
±110°

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

ABLE TO OPERATE OVER BOTH AC AND DC
power via integrated rechargeable battery

EXTERNAL BATTERY
187.2WH (Working time for external battery pack: Up to 2 hours)

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

USE CASES

RESCUE OPERATIONS

Acquire satellite network connectivity within minutes for rescue missions, disaster recovery, evacuations, relief operations, and more. This portable and fully automated terminal requires no assembly or complex satcom set-up. Moreover, there is no training required for field workers, who can quickly use a mobile app to deploy high-speed data, voice, and video transmission services over this innovative terminal.

GOVERNMENT & NGO APPLICATIONS

Enable on-demand connectivity for critical government and NGO applications. This terminal is fully automated and integrated to deliver high-speed data, voice, and video transmissions at low cost. Its pre-configured network allows secure satellite lock within minutes. The terminal requires no assembly and its compact size makes it ideal to carry for swift and efficient public missions.

SCIENTIFIC EXPLORATION

Effectively coordinate the scientific research process amongst on-the-field teams and headquarters, anywhere on the planet. This state-of-the-art compact and portable terminal is ideal for users of all skill levels. It enables a wide range of data-intense applications and quickly transfers videos over a reliable satellite network. Moreover, it integrates with small-dimension baseband equipment of mainstream manufacturers, empowering field researchers to easily collaborate on projects.

iec-telecom.com