

Connected Mobility with the Innovative Kymeta™ u8 Terminal

Powered by Intelsat FlexMove



A low-profile, global high-throughput satellite solution for communications-on-the-move.

- Installed on a vehicle or mobile platform and designed to operate at high-speeds
- Ubiquitous, always-on connectivity services
- Up to 10x faster than Mobile Satellite Services (MSS) at a fraction of the cost
- Hybrid connectivity with integrated LTE capability
- Intelsat FlexMove qualified terminal

The Kymeta u8 Ku-band terminal is a complete connectivity solution providing on-the-go communications when and where you need it.

The u8 terminal is designed with Kymeta's signature electronically steered, software-defined technology. This low profile, aerodynamic antenna mounts easily on vehicles to provide a seamless hybrid satellite/cellular connectivity.



Robust design suitable
for a wide range of land
mobility environments



Always-on connectivity
with multi-WAN satellite
and cellular configuration

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
network for mission-critical,
data-intensive applications





Kymeta u8 Ku-band satellite terminal:

- Simple power-on startup and auto-acquisition for easy operation
- iDirect iQ 200 and multi-WAN device with global LTE support
- Low power consumption with native DC operation
- Fast tracking, on-the-move connectivity for mobile broadband
- Over-the-air (OTA) software updates
- Complete Ku-band coverage providing maximum reach and performance

SPECIFICATIONS*

ANTENNA TYPE

Kymeta u8 GEO Terminal with integrated LTE capability

DIMENSIONS

W 89.5 cm × D 89.5 cm × H 12.3 cm

TOTAL WEIGHT

25 kg (55 lb.)

Includes modem, hybrid card

FREQUENCIES

TX 13.75 - 14.5 GHz

RX 10.7 - 12.75 GHz

POLARIZATION

Vertical and horizontal, software defined (circular with software upgrade)

EIRP

Up to 46.5 dBW with 20 W BUC

SCAN ANGLES

Az 360°, El +15° to +90°

G/T

Up to 11.5 dB/K

POWER CONSUMPTION (WITH INTEGRATED MODEM)

~165 W (typical)

<600 W (peak**)

NETWORK INTERFACE

Ethernet, Wi-Fi

RF CABLES

N-type connectors

INPUT POWER

12 - 24 VDC

CERTIFICATIONS IN PROGRESS

CE, UL, RoHS, FCC

OPERATIONAL TEMPERATURE

-40° C to +55° C (ambient)

-40° C to +70° C (with solar load)

AVAILABLE CONFIGURATION

u8 antenna with integrated antenna control unit and power supply

iDirect iQ 200 and multi-WAN device with either Global LTE or LTE Band 14 configuration

RF chain with 20 W low-profile BUC

Shroud

AVAILABLE ACCESSORIES

Vehicle mount kit

Vehicle power kit

AC-to-DC power kit

Universal mounting plate for existing u7 mounts

* Specifications as of 1 July 2020. Subject to change.

** Software restriction on peak draw available. May affect antenna performance at low temperature.

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

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