

# 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 14 cm

#### TOTAL WEIGHT

34 kg (75 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 BROADSIDE

9.5 dB/K to 12 dB/K

#### POWER CONSUMPTION (WITH INTEGRATED MODEM)

130 W (typical)

250 W (peak)\*\*

#### DC INPUT POWER

12 VDC to 36 VDC max

#### NETWORK INTERFACE

Ethernet, Wi-Fi

#### RF CABLES

N-type connectors

#### 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

\* Specifications as of 26 August 2021. Subject to change.

\*\* Software-controlled peak power draw. User-configurable to a higher threshold for very low-temperature operation.

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To learn more about IntelSat FlexMove, visit [intelsat.com/land-mobility](https://intelsat.com/land-mobility) or contact your local sales representative.

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