

KYMETA™ u8

Aerodynamic antenna for on-the-go connectivity



Designed with Kymeta's software-defined technology, u8 is an aerodynamic antenna that delivers seamless satellite and cellular connectivity to vehicles. Kymeta u8 has a simple power-on start-up, auto-acquisition, and over-the-air software updates. Powered by Intelsat FlexMove, a global multi-layered High Throughput Satellite (HTS) network, it is 10x faster than L-Band systems and offers access to cloud-enabled solutions for terminal metrics as well as network management tools. This revolutionary antenna has been specially designed to operate at high speeds over a wide range of mobility environments, simplifying vehicle integration. Easy to install, it also features electronic steering for low maintenance. Kymeta u8 is the perfect portable terminal for on-the-go connectivity.

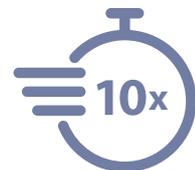
FEATURES



Always-on connectivity
with multi-WAN satellite
and LTE support



Cloud-enabled
solutions



10x faster than
L-Band systems



Comms on the move
(COTM)



Highly portable, robust,
and lightweight



LEO-upgradeable

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

POLARISATION

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, WiFi

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

Integrated antenna control unit and power supply

iQ 200 modem 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

USE CASES

HUMANITARIAN MISSIONS

Enable critical applications for emergency teams such as police, fire, and ambulances. With real-time high-resolution video streaming, this antenna improves response times. It provides rapid data transmission of medical records and telemedicine platforms with remote support services. Its mobile WiFi hotspot capabilities offer efficient coordination of logistics for mobile response teams even in remote locations.

GOVERNMENT APPLICATIONS

Extend connectivity in rural and dense urban geographic areas to deliver real-time full-motion video, incident data, applications, and voice communications between front-line border security teams and command centers. Compact and easy to install, the low-profile antenna removes the need to carry bulky satcom equipment. It provides mobile communications for training, emergent situations, and day-to-day operations.

FREIGHT & RAILWAY SERVICES

Optimise traffic control and track movements in real-time for freight security and transparency, supporting the digital transformation of the global supply chain. With remote monitoring support, this incredible antenna decreases downtime, enables better maintenance schedules, and eliminates the need for in-depth technical training for field staff. It supports bandwidth-heavy applications and video streaming over a hybrid satellite and cellular network.

