



## u8 | GEO TERMINAL

### MAKING MOBILE GLOBAL

The new Kymeta™ u8 terminal provides a complete connectivity solution for on-the-go communications when and where you need it.

Redesigned with our revolutionary software-defined, electronic beam steering technology, the u8 terminal is low profile, mounting easily on vehicles and vessels. Our u8 terminals and u8 GO portable terminals deliver connectivity in a single integrated platform.

Broadband connectivity packages are available from Kymeta in either satellite-only or satellite/cellular by-the-gigabyte packages, and our all-inclusive bundle of hardware, connectivity, and support, Kymeta Connect™, is offered at an affordable monthly rate.



#### DESIGNED FOR MOBILE PLATFORMS

LOW PROFILE, AERODYNAMIC DESIGN, NATIVE DC POWER INPUT, AND NEW ACCESSORIES SIMPLIFY VEHICLE INTEGRATION.



#### ALWAYS-ON CONNECTIVITY

WITH A MULTI-WAN SATELLITE AND CELLULAR CONFIGURATION, THE KYMETA U8 TERMINAL PROVIDES COMMUNICATION ANYWHERE.



#### CLOUD-ENABLED SOLUTIONS

ACCESS TO TERMINAL METRICS AND SD-WAN, EDGE CONTENT, AND CONNECTIVITY MANAGEMENT TOOLS AVAILABLE VIA A CLOUD-BASED PORTAL.



#### PORTABLE

WITH A REUSABLE SHIPPING CASE, THE KYMETA U8 GO PORTABLE TERMINAL PROVIDES THE FASTEST OUT-OF-THE-BOX COMMUNICATION ANYWHERE—JUST ADD POWER.



#### LEO-UPGRADEABLE

THE U8 ANTENNA ANTICIPATES THE ARRIVAL OF KU-BAND LEO CONSTELLATIONS. YOUR TERMINAL CAN BE UPGRADED TO A LEO CONFIGURATION AT A LATER TIME.



# u8 GEO Terminal Specifications\*

## CONNECTIVITY

### SETUP TIME OF TERMINAL

Unpackage, lift, mount, and operate in less than 20 minutes

### ACQUISITION OF SIGNAL

Less than 1 minute from initiation of acquisition

### COMMUNICATIONS MODULE

Integrated iDirect iQ 200 satellite router

Integrated multi-WAN with global 3G & LTE capabilities

## MECHANICAL

### DIMENSIONS

L 89.5 cm × W 89.5 cm × H 14 cm  
L 35.2 in. × W 35.2 in. × H 5.5 in.

### WEIGHT

34 kg (75 lb.)

### OPERATIONAL TEMPERATURE

-40 °C to +55 °C (ambient)  
-40 °C to +70 °C (with solar load)

### STORAGE TEMPERATURE

-40 °C to +85 °C

### INGRESS PROTECTION

IP66

## POWER

### DC INPUT POWER

12 VDC to 36 VDC max

### POWER CONSUMPTION (WITH INTEGRATED MODEM)

150 W (typical), 510 W (peak)\*\*

## INTERFACES

### NETWORK INTERFACE

Ethernet, Wi-Fi

## ANTENNA

### BAND

Ku

### ANTENNA TYPE

Electronically scanned array

### POLARIZATION

Linear, software-defined

### RX FREQUENCY RANGE

10.7 GHz to 12.75 GHz

### G/T BROADSIDE

9 dB/K to 11.5 dB/K

### RX INSTANTANEOUS BANDWIDTH

250 MHz

### TX FREQUENCY RANGE

13.75 GHz to 14.5 GHz

### EIRP

45.5 dBW to 46.5 dBW  
(14.0 GHz to 14.5 GHz)

## TRACKING

### SCAN ANGLES

Az 360°, El +15° to +90°

### TRACKING RECEIVER TYPE

Integrated tracking system  
DVB-S2, DVB-S2X

## COMPLIANCE

### CERTIFICATIONS

CE, FCC, Nemko, WEEE, RoHS

## AVAILABLE CONFIGURATIONS

### COMMERCIAL u8 TERMINAL WITH GLOBAL LTE CAPABILITY

- u8 antenna with integrated antenna control unit and power supply
- iDirect iQ 200 and multi-WAN device with global LTE support
- RF chain with low-profile BUC
- Shroud

### COMMERCIAL u8 TERMINAL WITH LTE BAND 14 CAPABILITY

- u8 antenna with integrated antenna control unit and power supply
- iDirect iQ 200 and multi-WAN device with LTE band 14 support
- RF chain with low-profile BUC
- Shroud

### COMMERCIAL u8 GO PORTABLE TERMINAL

- u8 commercial terminal
- Portable case

## AVAILABLE ACCESSORIES

- Vehicle mount kit
- Vehicle power kit
- AC-to-DC power kit
- Adapter plate for existing u7 mounts

## KYMETA | CONNECT™

*Kymeta Connect™ offers full-service connectivity solutions for u8 terminals. By-the-gigabyte packages are available with either satellite-only or hybrid satellite/cellular capacity. Refer to the Kymeta Connect product sheet for more detail.*

\*Specifications as of 30 September, 2020. Subject to change.

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

**u8 | GEO**  
**GO**



For more information, contact Kymeta at [sales@kymetacorp.com](mailto:sales@kymetacorp.com).

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