



## 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 IN PROGRESS

CE, UL, RoHS, FCC

## 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).

12277 134th Ct. NE, Redmond, WA 98052 | Phone: 425.896.3700 | [www.kymetacorp.com](http://www.kymetacorp.com)

© 2020 Kymeta Corporation. KYMETA and KYMETA CONNECT are trademarks of Kymeta Corporation, with registrations or pending applications for these marks in the U.S. and other countries. All other trademarks are the property of their respective owners.

**KYMETA™**

700-00097-000 revD