



## u8 | GO GEO TERMINAL

### MAKING MOBILE GLOBAL

The new Kymeta™ u8 terminal provides a complete connectivity solution for communications-on-the-move (COTM) and networks-on-the-move (NOTM) when and where you need it most.

The u8 terminal, with Kymeta revolutionary software-defined, electronic beam-steering technology, is low profile and easy-to-mount on vehicles and vessels. Kymeta u8 terminals and u8 GO portable terminals for the government and military integrate the iDirect 950mp router and support external modems such as ViaSat CBM400 and most commercial modems.

Broadband by-the-gigabyte connectivity packages are available from Kymeta in either MIR or MIR/CIR plans. Kymeta Connect™ packages provide all-inclusive bundles with monthly rate.



#### TURNKEY SOLUTIONS

MULTIPLE TERMINAL CONFIGURATIONS PROVIDE THE HARDWARE, SOFTWARE, AND CONNECTIVITY YOU NEED.



#### DESIGNED FOR MOBILE PLATFORMS

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



#### EXTENDED ENVIRONMENTAL COVERAGE

WITH AN ALL-OUTDOORS CONSTRUCTION AND IP66 RATING, THE U8 TERMINAL FOR GOVERNMENT AND MILITARY IS DESIGNED FOR THE MOST DEMANDING ENVIRONMENTS.



#### PORTABLE AND RUGGED

WITH A HARDENED REUSABLE SHIPPING CASE, THE KYMETA U8 GO PORTABLE TERMINAL FOR GOVERNMENT AND MILITARY 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.



# u8 GEO Terminal for Government and Military 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

### SATCOM MODEM

Integrated iDirect 950mp satellite router

## 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

## 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 BROADSIDE

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

### GOVERNMENT AND MILITARY u8 TERMINAL

- u8 antenna with integrated ACU and power supply
- iDirect 950mp satellite modem
- RF chain with low-profile BUC
- Shroud

### GOVERNMENT AND MILITARY u8 GO PORTABLE TERMINAL

- u8 antenna with integrated ACU and power supply
- iDirect 950mp satellite modem
- RF chain with low-profile BUC
- Shroud
- Shipping case

## AVAILABLE ACCESSORIES

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

## AVAILABLE SOFTWARE-ENABLED FEATURES

- Manual positioning (GPS denied) mode
- Full privacy mode
- External GPS support

**KYMETA** | CONNECT™

*Kymeta Connect™ offers full-service connectivity solutions for u8 terminals for government and military. By-the-gigabyte packages are available with either MIR or MIR/CIR 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.



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

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