



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 terminals and flyaway systems 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 FLYAWAY 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 90 cm × W 90 cm × H 14.6 cm
L 35.5 in. × W 35.5 in. × H 5.7 in.

WEIGHT

~32 kg (~70 lb.)

OPERATIONAL TEMPERATURE

-40 °C to +70 °C with shroud;
equiv to +55 °C + solar loading

STORAGE TEMPERATURE

-40 °C to +85 °C

INGRESS PROTECTION

IP66

POWER

DC INPUT POWER

12 VDC to 24 VDC

POWER CONSUMPTION

(WITH INTEGRATED MODEM)

~165 W (typical), <600 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

Up to 11.25 dB/K

RX INSTANTANEOUS

BANDWIDTH

250 MHz

TX FREQUENCY RANGE

13.75 GHz to 14.50 GHz

EIRP

Up to 46 dBW

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 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 20 W low-profile BUC
- Shroud

COMMERCIAL 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 20 W low-profile BUC
- Shroud

COMMERCIAL FLYAWAY

- u8 commercial terminal
- Flyaway 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 1 July, 2020. Subject to change.



For more information, contact Kymeta at sales@kymetacorp.com.

12277 134th Ct. NE, Redmond, WA 98052 | Phone: 425.896.3700 | www.kymetacorp.com

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