



u8|GOV TERMINAL

MAKING MOBILE GLOBAL

The Kymeta™ u8 GOV hybrid 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 GOV hybrid terminal, with Kymeta revolutionary software-defined, electronic beam-steering technology, is low profile and easy-to-mount on vehicles and vessels.

The u8 GOV terminal is easily transportable and can support communication while in the case, on the ground, or mounted on a vehicle for easy deployment in multiple use cases. The multi-function hardened case is tested to MIL-STD-810H transportation standards and comes with hardened tie down points.

Kymeta u8 GOV hybrid terminals and u8 GOV hybrid terminals 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. TRANSEC services are also available. Kymeta Connect™, an all-inclusive bundle of hardware, connectivity, and support, is offered at an affordable 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 GOV TERMINAL IS DESIGNED FOR THE MOST DEMANDING ENVIRONMENTS.



PORTABLE AND RUGGED

WITH A HARDENED REUSABLE SHIPPING CASE, THE KYMETA u8 GOV 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 GOV Hybrid 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

SATCOM MODEM

Integrated iDirect 950mp satellite router

MECHANICAL

DIMENSIONS

TERMINAL CONFIGURATIONS:

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

GO CONFIGURATIONS:

L 104 cm × W 104 cm × H 38 cm
L 41 in. × W 41 in. × H 15 in.

WEIGHT

TERMINAL CONFIGURATIONS:

34 kg (75 lb.)

GO CONFIGURATIONS:

~68 kg (~150 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)

130 W (typical), 250 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

9.5 dB/K to 12 dB/K

RX INSTANTANEOUS

BANDWIDTH

250 MHz

TX FREQUENCY RANGE

13.75 GHz to 14.5 GHz

EIRP BROADSIDE

46 dBW to 46.5 dBW

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 GOV CONFIGURATIONS

u8 GOV HYBRID TERMINAL

- u8 antenna with integrated ACU and power supply
- iDirect 950mp satellite modem (global or North America and public safety configurations)
- Embedded LTE Advanced Pro modem card
- RF chain with low-profile BUC
- Shroud

U8 GO GOV HYBRID TERMINAL

- u8 GOV hybrid terminal
- AC-to-DC universal power kit
- External hardshell case
- Vehicle mount

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. By-the-gigabyte packages are available with either satellite or hybrid satellite/cellular capacity. TRANSEC services are also available for the u8 GOV and u8 GO GOV hybrid terminals. Refer to the Kymeta Broadband product sheet (700-00114-000) for more detail.

*Specifications as of 26 August 2021. Subject to change.

**Software-controlled peak power draw. User-configurable to a higher threshold for very low-temperature operation.

***The exact weight depends on the u8 GO product configuration.



u8 | GO

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

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KYMETA™

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