



u8 | GEO GO

MAKING MOBILE GLOBAL™

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

The easily maneuverable u8 GO can support communication while in the case, on the ground or mounted on a vehicle for easy deployment in a multitude of use cases.

The transportable configuration has been custom designed for the revolutionary software-defined, electronic beam steered Kymeta™ u8 terminals. The multi-function hardened case is tested to MIL-STD-810H transportation standards and comes with hardened tie down points.

Kymeta™ Broadband connectivity packages for the u8 with are available in either satellite-only or satellite/cellular by-the-gigabyte packages, and the all-inclusive bundle of hardware, connectivity, and support, Kymeta Connect™, is offered at an affordable monthly rate.



PORTABLE AND RUGGED

WITH A HARDENED, STACKABLE CASE, THE KYMETA U8 GO PROVIDES THE FASTEST OUT-OF-THE-BOX COMMUNICATION ANYWHERE—JUST ADD POWER.



ELECTRONICALLY STEERED ANTENNA

SOFTWARE-DEFINED, RECONFIGURABLE, AND UPDATABLE, THE U8 SATELLITE ANTENNA OPERATES OVER THE COMPLETE KU BAND.



EXTENDED ENVIRONMENTAL COVERAGE

WITH AN ALL OUTDOORS CONSTRUCTION AND IP66 RATING, THE KYMETA U8 GO IS DESIGNED FOR THE MOST DEMANDING ENVIRONMENTS.



DESIGNED FOR MOBILITY

THE BUILT-IN CAR MOUNT SUPPORTS INSTALLATION ON MOBILE PLATFORMS RIGHT OUT OF THE CASE.



LEO-UPGRADEABLE

THE U8 ANTENNA ANTICIPATES THE ARRIVAL OF KU-BAND LEO CONSTELLATIONS.



CONNECTIVITY

SETUP TIME OF TERMINAL
Mount and operate in less than 20 minutes

ACQUISITION OF SIGNAL
Less than 1 minute from initiation of acquisition

SATCOM MODEM
Embedded iDirect iQ 200 or 950mp

MECHANICAL

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

WEIGHT
~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
100 VAC to 240 VAC
(50 Hz to 60 Hz)

POWER CONSUMPTION (WITH EMBEDDED 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
CE, FCC, Nemko, WEEE, RoHS

AVAILABLE CONFIGURATIONS

u8 GEO GO OUTDOOR UNIT (ODU)

- u8 antenna with integrated antenna control unit
- RF chain with low-profile BUC
- Shroud with integrated air circulation solution
- Integrated vehicle mount kit
- 45° tilt mechanism
- AC-to-DC power kit
- Transportation hardshell case

u8 GEO GO FOR COMMERCIAL USE

- u8 GEO GO ODU as described above
- Embedded iQ 200 modem and LTE-A modem
- Embedded LTE Advanced Pro modem card (Global or FirstNet)

u8 GEO GO FOR GOVERNMENT AND MILITARY USE

- u8 GEO GO ODU as described above
- Embedded iDirect 950mp satellite modem
- Embedded LTE Advanced Pro modem card (Global or FirstNet)

AVAILABLE ACCESSORIES

- Vehicle power kit
- Cable kits

AVAILABLE SOFTWARE-ENABLED FEATURES

- Manual position (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-only or hybrid satellite/cellular capacity. Refer to the Kymeta Connect product sheet for more detail.



*Specifications as of 9 November, 2020. Subject to change.

**Software restriction on peak draw is available. Please note this may affect antenna performance at low temperature.

700-00125-000 revB

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