u8|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 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 FRQUENCY 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
CE, FCC, Nemko, WEEE, RoHS

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|GO

KYMETA™

700-00097-000 rev F

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