



u8 | MIL TERMINAL

MAKING MOBILE GLOBAL

The new Kymeta™ u8 MIL 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 MIL hybrid terminal, with Kymeta's revolutionary software-defined, electronic beam-steering technology, is low profile and easy to mount on vehicles and vessels. Kymeta u8 MIL hybrid terminals support multiple embedded modems in both standard commercial networks as well as those employing TRANSEC communications security.

Satellite 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.



DURABLE

DESIGNED AND TESTED TO MILITARY SPECIFICATIONS. MIL-STD-810, MIL-STD-1275, MIL-STD-461, AND ATPD-2404.



FLEXIBLE

THE MODULAR EQUIPMENT BAY ENABLES USERS TO FIELD INSTALL MISSION SPECIFIC KITS. THESE KITS INCLUDE MULTIPLE CONFIGURATIONS CONTAINING A MIX OF MODEM(S), SD-WAN, ROIP, OR EDGE COMPUTE DEVICES.



LOW VISIBILITY

MILITARY COLOR, CARC COATINGS, AND A LOW PROFILE MAKE THE u8 MIL HYBRID TERMINAL ONE OF THE LOWEST VISIBILITY TERMINALS ON THE MARKET.



EXTENDED ENVIRONMENTALS

THE u8 MIL HYBRID TERMINAL IS DESIGNED FOR THE MOST DEMANDING ENVIRONMENTS AND OFFERS FLEXIBLE MOUNTING SYSTEMS TO OPERATE ON A WIDE RANGE OF COMBAT VEHICLE SYSTEMS.



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 MIL 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

Embedded iDirect 950mp satellite router. Multiple external modems.

MECHANICAL

DIMENSIONS

L 95.3 cm × W 95.3 cm × H 14 cm
L 37.7 in. × W 37.5 in. × H 5.5 in.

WEIGHT

46.7 kg (103 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°, EI +15° to +90°

TRACKING RECEIVER TYPE

Integrated tracking system
DVB-S2, DVB-S2X

COMPLIANCE

CERTIFICATIONS

MIL-STD-810, MIL-STD-1275,
MIL-STD-461, ATPD-2404

*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.

AVAILABLE MIL CONFIGURATIONS

u8 MIL HYBRID TERMINAL

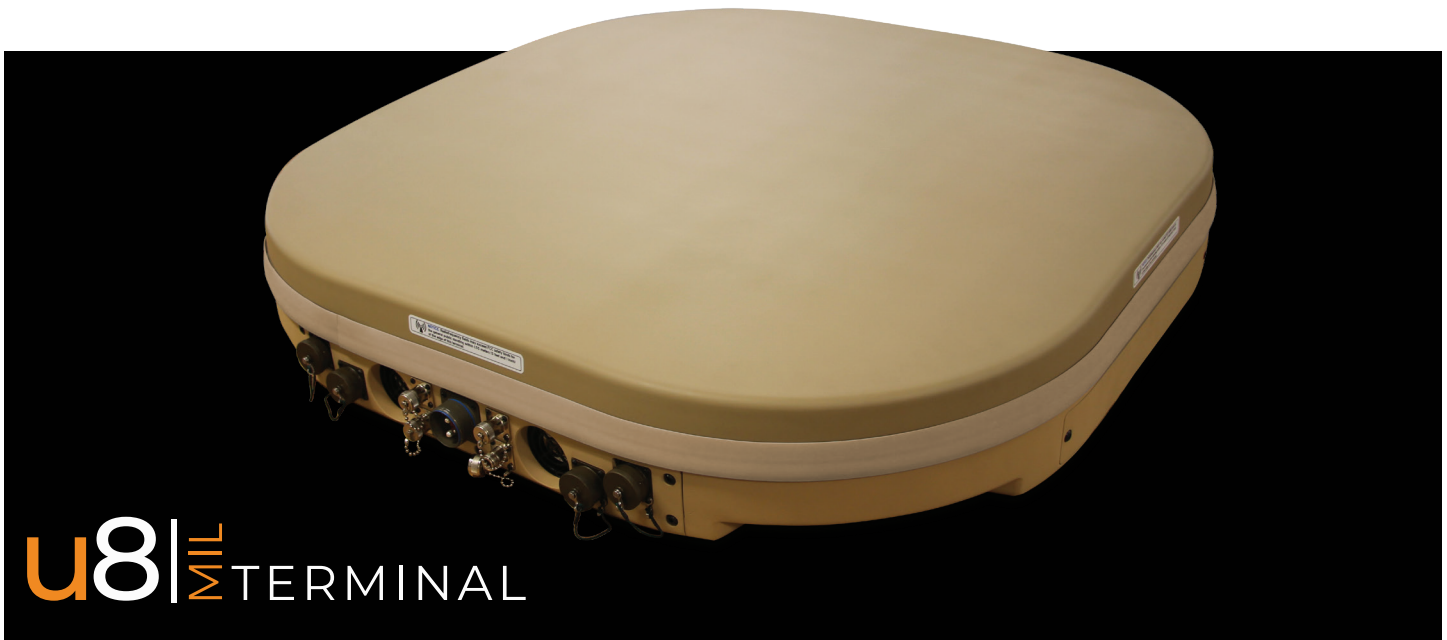
- u8 antenna with integrated ACU and power supply
- Ruggedized chassis with expansion slots
- MIL-STD designed and tested
- Embedded iDirect 950mp satellite modem
- Embedded LTE Advanced Pro modem card (global coverage configuration)
- RF chain with low-profile BUC
- Hardened shroud

INCLUDED 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 MIL terminal. Refer to the Kymeta Broadband product sheet (700-00114-000) for more details.



u8 | **TERMINAL**

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

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KYMETA™

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