KYMETA™

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

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
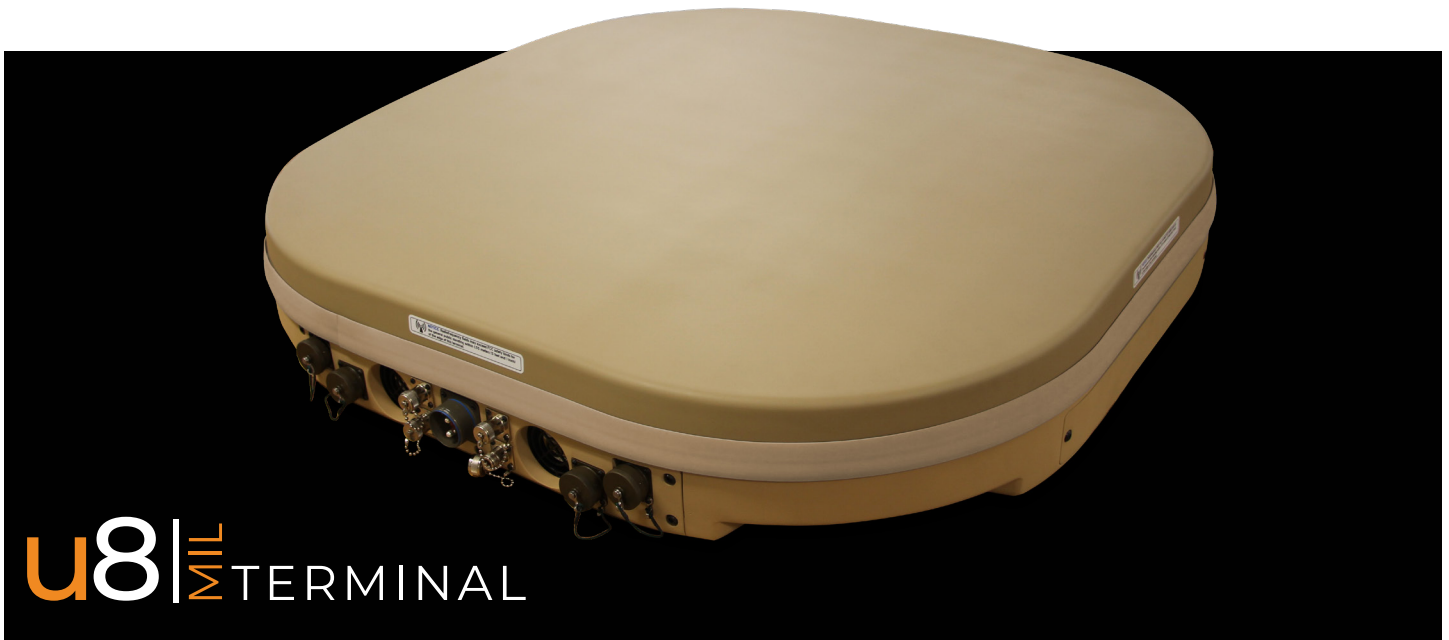- Hardened shroud

INCLUDED SOFTWARE-ENABLED FEATURES

- Manual positioning (GPS denied) mode
- Full privacy mode
- External GPS support

KYMETA | C O N N E C T™

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.

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.*

u8|MIL TERMINAL

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

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

KYMETA™