KYMETA™

GOSHAWK™ u8

Goshawk u8 Delivers Resilience & Flexibility through Multi-Orbit Satellite Communications in a Single Terminal

KEY FEATURES

GOSHAWK u8
MULTI-X SATELLITE TERMINAL

SIGNAL PROTECTION

The Goshawk u8 provides jamming mitigation for GNSS-denied operations, seamlessly enabling applications that are critical to mission objectives.

CONTINUOUS CONNECTIVITY

The Goshawk u8 is a multi-orbit terminal that provides GEO-, LEO-, and cellular-based connectivity all in one. The Goshawk u8 ensures a reliable, uninterrupted connection on the move to meet your goals for various applications on land, at sea, or in fixed locations.
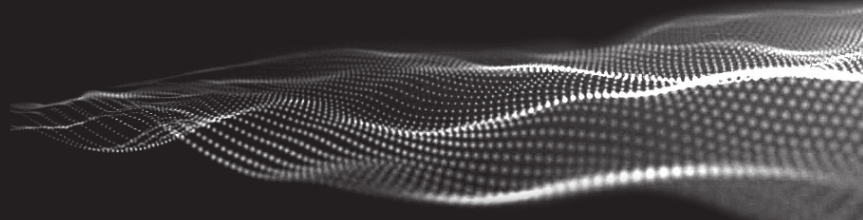
CUSTOMER FLEXIBILITY & CUSTOMIZATION

The Goshawk u8 enables you to use your existing GEO modems, seamlessly integrating with your networks without requiring upgrades or additional investment. With configurable connectivity plans, you can choose your primary network—GEO or LEO.

USE CASES

Global Defence and Government Agencies

Public Safety and First Responders

NGO Relief and Aid Groups

VVIP Vehicles and Vessels

Fixed or Portable Cellular Backhaul

GOSHAWK™
u8

SPECIFICATIONS

Antenna type	Single aperture, full duplex, Ku-band ESA
Scan angles	Azimuth: 360°, Elevation: +15° to +90°
Polarization	Software-defined circular & linear
Receive (RX) band	10.70 GHz to 12.75 GHz
RX performance	G/T (broadside) 11 dB/K
Transmit (TX) band	13.75 GHz to 14.50 GHz
TX performance	EIRP (broadside) 41.3 dBW (LEO) or 46.5 dBW (GEO)
Cross-pol isolation	≥25 dB (GEO)
LEO satellite modem	Embedded Eutelsat OneWeb
GEO satellite modem interface	N-type RX and TX IF connectors and Ethernet
External GNSS	GNSS input option via Ethernet (GEO) or SMA (LEO & GEO)
User interfaces	Ethernet and Wi-Fi 6
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.
Input power	12 VDC to 36 VDC or AC via external power supply
Power (typical)	125 W LEO or 175 W GEO – software-defined power limits
Operational temperature	-40 °C to +70 °C
Ingress protection	IP66
Compliance	CE, FCC, Nemko, WEEE, RoHS, RED, REACH

KYMETA™ ACCESS APP

» An intuitive user dashboard for Kymeta user terminals

» Simplified setup and monitoring

» Easy to use for end user and technician

» 3D beam visualization

» Available via local webpage and Windows, iOS and Android stores

AVAILABLE ACCESSORIES

» Configurable radome colors

» Vehicle power & mount

» AC or DC power kits

» Maritime and stationary mounts

» Rugged case options

» Advanced software and APIs licenses

EXTERNAL MODEM COMPATIBILITY

OpenAMIP 1.12 compatible modems:

» iDirect: Evolution, Velocity, Dialog

» Viasat: Arclight

» Comtech EF Data: Comtech, UHP

» Gilat: SkyEdge II

» L3 Harris

» Kepler LEO

Find more details in the Modem Compatibility Guide (700-00116-000).

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

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