

# KYWAY™ TERMINAL

## INTRODUCING REVOLUTIONARY MOBILE CONNECTIVITY.

Kymeta KyWay™ u7 Ku-band satellite terminals address the need for lightweight, low-profile, and high-throughput communication systems that outperform any mechanical system fixed and on-the-move making connecting nearly any vehicle, vessel, or fixed platform easier and more reliable than ever before.

KĀLO™ satellite services from Kymeta can also be bundled with KyWay terminals and purchased in flexible, variable usage packages that utilize familiar and easy-to-understand data plans.

Kymeta KyWay satellite terminals deliver an end-to-end, broadband, mobile communications solution.

- Easy – Satellite technician not required for installation, setup, commissioning and provisioning
- Reliable – Solid state electronically-steered antenna, no gimbals, no motors required
- Agile – Fast tracking, on-the-move connectivity supports mobile broadband

## KYWAY TERMINAL FEATURES

- Flat-panel for low-profile installation options
- Electronic steering for low maintenance and reliable connectivity
- Simple power-on startup and auto-acquisition for easy operation
- Lower power consumption than competitive flat panel terminals
- Broad applicability – for vessels and vehicles
- Reliable communications even at high speeds and on rough seas or terrain



**KYMETa™**

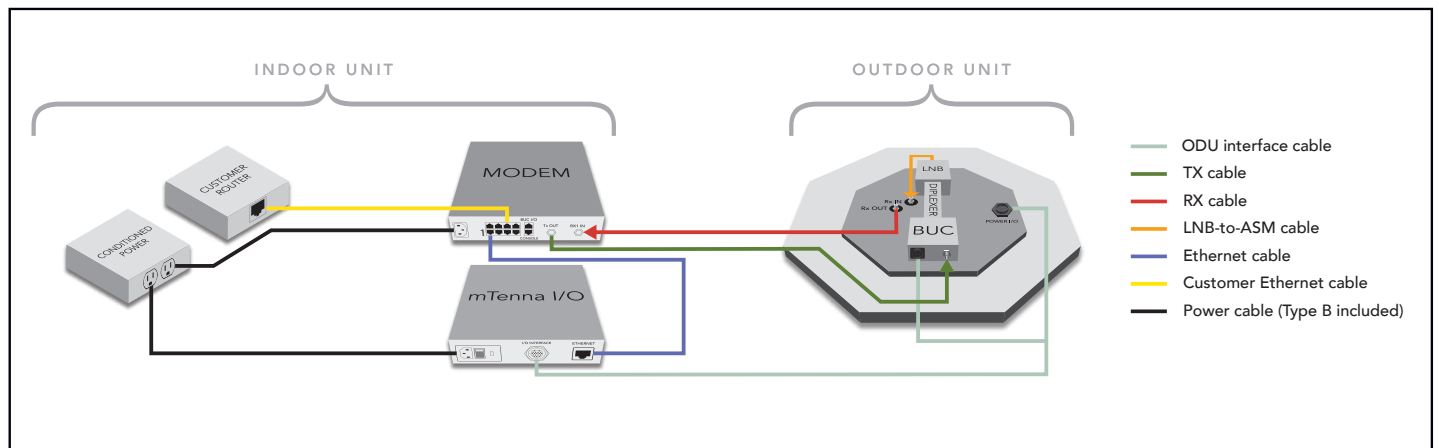
# TERMINAL SPECIFICATIONS\*

ANTENNA	
Band	Ku
Antenna type	Electronically scanned array
Polarization	Vertical and horizontal software defined
RX frequency range	11.4 – 12.4 GHz
RX gain	33.0 dB
RX G/T	9.5 dB/K
RX scan roll-off as measured @ 60°	$\text{Cos}^{\wedge}1.1-1.2$
RX instantaneous bandwidth	>100 MHz
TX frequency range	14.0 – 14.5 GHz
TX gain	32.5 dB
TX instantaneous bandwidth	>100 MHz
TX scan roll-off as measured @ 60°	$\text{Cos}^{\wedge}1.2-1.4$
TRACKING	
Tracking rate	>20°/second
Scan angles	Theta up to 75° off broadside and Phi 360°
Accuracy	<0.2°
Mobile tracking accuracy	FCC compliant for 25.222 and 25.226
Tracking receiver type	Integrated DVB-S2
MECHANICAL	
Outdoor unit dimensions	L 82.3 cm x W 82.3 cm x D 16.5 cm L 32.4 in. x W 32.4 in. x D 6.4 in.
Outdoor unit weight	21.1 kg   46.5 lb.
Outdoor unit mounting interface	4 x M8 x 1.25 mounting standoffs 0.95 cm   0.375 in. deep
Maximum indoor unit dimensions	W 44.5 cm x D 31.75 cm x H 9.06 cm W 17.5 in. x D 12.5 in. x H 3.57 in.
Indoor unit weight	6.35 kg   14.0 lb.

ENVIRONMENTAL	
Outdoor unit operational temperature	-25°C to +55°C
Outdoor unit storage temperature	-40°C to +75°C
Outdoor unit ingress protection	IP 66
Outdoor unit shock	IEC 60068-2-27
Outdoor unit vibration	MIL-STD-167-1A MIL-STD 810G IEC 60068-2-64 IEC 60068-2-57
Indoor unit operational temperature	-0°C to +50°C
Indoor unit storage temperature	-40°C to +75°C
Indoor unit ingress protection	IP20
Indoor unit shock	IEC 60068-2-27
Indoor unit vibration	MIL-STD-810G
Indoor unit BTU/hr 8 W BUC	Typical 1025   Peak 1700
Indoor unit BTU/hr 16 W BUC	Typical 1375   Peak 2050
POWER AND RF SYSTEM	
Input power	110-240 VAC 50/60 Hz
8 W BUC	Typical 300 W   Peak 500 W
16 W BUC	Typical 400 W   Peak 600 W
INTERFACES	
Network interface	RJ45 10/100/1000
RF cables	N-type connectors
ACCESSORIES	
Interface cables	Available in 3.66 m, 7.62 m, 15.24 m 12 ft., 25 ft., 50 ft.
RF cables	Available in 3.66 m, 7.62 m, 15.24 m 12 ft., 25 ft., 50 ft.

**WARRANTY** Standard limited warranty: 2 years on Kymeta parts. Extended limited warranty: additional 1-year (optional).

\*Specifications are subject to change.



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