

AIRTERM

KY-100 MTU

Z-AVH RCU



The company that listens to the warfighter and delivers.



Main Terminal: KY-100



Radio Control Unit (RCU): Z-AVH

The **AIRTERM (KY-100)** is a lightweight terminal for secure voice and data communications. The **KY-100** provides wideband/ narrowband half duplex communication that functions in conjunction with:

- » TACTERM (CV-3591/KYV-5)
- » VINSON (KY-57 & KY-58)
- » MINTERM (KY-99A)
- » SINCGARS
- » MILSTAR

The low profile **Z-AVH RCU** can be used when there is insufficient space to mount a **KY-100** within easy reach of an operator or when there are multiple operators.

The **KY-100** is based upon the KY-99A architecture and provides flexible interface capability. Operating in tactical ground, marine and airborne applications, the **KY-100** enables secure communication with a broad range of radio and satellite equipment.

The **KY-100** is backward compatible with the VINSON KY-58 and has the same connector and pin-outs for the wideband operational modes.

The **KY-100** provides voice at 2.4 kbps using the DoD standard LPC-10e for narrowband voice modes. The **KY-100** also provides CVSD voice at 16 kbps and 12 kbps in the wideband voice mode.

AIRTERM KY-100 MTU Z-AVH RCU

Specifications

FEATURES

Weight	5.7 lbs. (KY-100), 2.5 lbs. (Z-AVH RCU)
Dimensions	5" X 5.7" X 4.7" (KY-100), 2.6" X 5.7" X 3.2" (Z-AVH RCU)
Form Factor	Matches Vinson KY-58 (KY-100) Matches Vinson Z-AHP (Z-AVH RCU)
Power	12 – 38 VDC
Transient Protection	Aircraft – MIL-STD-704 Ground Mobile – MIL-STD-1275
Backlight	Backlighting – NVIS Compatible, 5 VAC, 5/14/28 VDC Selectable
Average Power	17 Watts (KY-100), 7.5 Watts (Z-AVH RCU)
Reliability (MTBF)	> 5000 hours @ 71° C
Maintainability (MTTR)	Organizational < 10 minutes Intermediate < 30 minutes Depot < 90 minutes
Features	No Preventative Maintenance or adjustments Built in Self Test (BIT) fault isolation capability
Battery	Replaceable Backup Battery (BA-5372)

ENVIRONMENTAL

Temperature	-46°C to + 71°C (operating), -57°C to +95°C (non-operating)
Humidity	95% non-condensing
Altitude	40,000 ft
Shock	Bench, Basic, Crash Safety
Vibration	Jet, Helicopter, Propeller, Shipboard, Vehicular
EMI	MIL-STD-461C (Compliant for US Army, Navy and Air Force use)



KY-100: Back with connectors



Z-AVH RCU: Back with connectors

For more information on our rugged products, please visit:

www.securecomm.com

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 **Secure**
Rugged Portable Systems

1740 E. Wilshire Avenue,
Santa Ana, CA 92705
Phone: +1 714-547-1174
Fax: +1 714-547-1343
sales@securecomm.com
www.securecomm.com