

HCU-XX

Hardened Control Unit

The BATS Hardened Control Unit (HCU) along with our Positioning Units provides a total turn-key solution for all quick deploy and mobile-to-fixed and mobile-to-mobile broadband communication applications in the harshest of conditions.

The Hardened Control Unit is designed to automatically locate friendly communication links, optimize bandwidth and signal strength and subsequently track without any user input (upon power up). With significant local and remote management capabilities via secured Internet Protocol the ability to manage the system from your Network Operations Center is assured thus significantly reducing the technical skill sets required.

The HCU comes configured with customer specific Radios along with a large selection of preconfigured antenna selections. Radio/antenna combinations are expandable with customer requests. GPS is not an integral component of our system therefore it is not provided as a standard product but is available upon customer requests. Our solution does not require integration at the data transport level eliminating overhead and/or any security issues.



Product Specifications

FULL/QUICK SCAN	User defined fields +/-180° Azimuth and/or +/-20° Elevation for all available friendly communication points, quickly establish link, optimize signal quality and bandwidth.
TRACKING	Land/Sea/Air/Vehicle Tracking
MASTER/SLAVE	Match Pair System – With limited information as to location of other site, i.e. general direction only (North) systems has the ability to locate, optimize and track communications link in less than 2 minutes (Positioning Unit Dependent)
SELF HEALING	Primary communications failure system can automatically fail over to secondary targets and re-establish communication links
CONFIGURATIONS	Single radio with user definable multi-antenna pre-configured. Customer radio/antenna integrations available.
ENVIRONMENTAL	IP66, Salt Fog
PHYSICAL DIMENSIONS	6" (H) x 10.5" (W) x 9" (D)
WEIGHT	15 lbs.
OPERATING TEMPERATURE	-20°C to 60°C Optional -40°C to 65°C
OPERATING VOLTAGE	AC: 90-265VAC 47-63Hz DC: 10.5-34.5VDC with/Auto Sense
POWER CONSUMPTION	150 Watts Nominal, with POE Option: 200 Watts
COMMUNICAITON AVAILABLE	IP Management (local and remote) Internet Explorer 6.0+,SSH, Telnet