



ARC - M4 B1

SIMULTANEOUS X/KA-BAND WIDEBAND VSAT SYSTEM with 3-axis and 1.3m Reflector Diameter



FEATURES

DESIGNED FOR RESILIENCY

The ARC-M4 Block 1 is the first tri-band antenna that provides simultaneous X- and MIL Ka-band service which ensures connectivity on WGS even during bad weather and when other band-specific interference occurs. Also designed to work with other commercial Ka-band service providers, this antenna opens up a new, broader set of connectivity options than the US Navy has ever had before. This terminal is designed to meet the MILSTD ruggedization requirements of the US Navy.

MEO/LEO/HEO TRACKING CAPABILITY

The ARC-M4 Block 1 provides assured access to every SATCOM arc of interest, include MEO, LEO and HEO. The ARC-M4 Block 1 can access current and future GSO/NGSO constellations in X and Ka-Band. The ARC-M4 Block 1 increases the overall resiliency of Naval communications by supporting dynamic switching between multiple frequencies and alternative orbits.

ELECTRONIC BAND SWITCHING

All frequency band changes are electronic, not mechanical. The ARC-M4 Block 1 is designed and engineered to operate on both X- and Military Ka-Bands simultaneously, without the need to replace the reflector and feed assembly. The system is supplied with X- and 3.5GHz Wideband Ka-Band RF packages.

RESILIENCE FOR THE WARFIGHTER

This system supports single-, dual-, triple- or even up to eight terminal installations. Shipboard blockage zones, sea state conditions or other conditions are dealt with automatically. Up to 8 modems or waveforms can be automatically switched in and out. And these Intellian systems supports the policy-driven shipboard automation system we call Intellian Orchestra™

3.5GHZ WIDE KA-BAND OPTIMIZED

The ARC-M4 Block 1 is optimized to operate in the full Commercial and Military Ka-Band spectrums. The ARC-M4 Block 1 supports the current Commercial Ka-Band GEO/MEO constellations and Military Ka-Band GEO constellations, as well as upcoming GSO/NGSO Ka-Band constellations.

SUPPORT FOR THE WARFIGHTER

Intellian built and is currently delivering the AN/OE-4706 COTS terminal. Like all of our systems for the US Government, it combines MIL-STD rugged designs with innovation, elegant implementation, and COTS sensibilities.

