MAQA

Modular Aperture Quad-band Antenna Terminal

MAQA provides today’s expeditionary forces with a sturdy, transportable, quad-band 3.8 meter SATCOM terminal. The terminal supports operations with the Wideband Global SATCOM (WGS) constellation, legacy Department of Defense (DoD) satellites and commercial satellites.

OVERVIEW
The 3.8 meter MAQA terminal is the next-generation product designed to operate and support the warfighter in the tactical environment. MAQA provides quad-band operations including X and Ka band over military satellites and Ku and C band over commercial satellites. MAQA is a commercial off-the-shelf/non-developmental item (COTS/NDI) SATCOM system enabling satellite diversity for military and commercial applications. Combined with best-in-class RF electronics, MAQA provides superior transportability and simultaneous X-/Ka-band capability.

MAQA’s band changes can be made in less than five minutes through a simple swap of the feed via quick disconnects. Satellite acquisition is enhanced by a motorized ±90 degree azimuth turntable range and 5–90 degree elevation range.

The terminal’s carbon fiber antenna is simple to assemble with instructional labels on the individual components and transport cases. All transport cases meet the two-man lift requirements (less than 174 pounds) and will fit through a 32-inch doorway.

Satellite Communications

KEY BENEFITS
> Rapid two-person setup requires no tools and enables user to be on the air in less than one hour
> Traq graphical user interface simplifies satellite acquisition and operations
> High throughput and data rate allows for large 50+ user hub node applications with small distant end Very Small Aperture Terminals (VSATs)
> Ruggedized outdoor radio frequency (RF) equipment maximizes life span in extreme operating conditions
> Standard L-band terminal interface supports a variety of commercial and military modems
> Lightweight and transportable transit case design reduces cost per deployment

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers’ mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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