

VIASAT HIGH-CAPACITY KA UPGRADE KIT

For the Airbus DS-GS Ranger 1200



Viasat High-Capacity Ka Upgrade Kit At-a-Glance

- › Resilient connectivity with a multi-frequency band and multi-waveform terminal
- › High-speed network access supporting VTC and full-motion video
- › Select your waveform and network based on your mission
- › Minimal SWaP, logistics, and training impact
- › EBEM, LinkWay®, and ArcLight® are WGS certified

Ranger 1200 terminals from Airbus DS Government Solutions, Inc. (Airbus DS-GS) are widely fielded today, delivering high-speed data communications to warfighters across the globe. With the increasing mission requirements for higher data rates, Viasat collaborated with Airbus DS-GS to develop the Viasat High-Capacity Ka Upgrade Kit, building on the abundant deployment of Ranger 1200 terminals to provide a path to resilient, multi-frequency, multi-waveform connectivity—without needing to purchase a different terminal.

What is the Viasat High-Capacity Ka Upgrade Kit?

Viasat's High-Capacity Ka Upgrade Kit provides the Ranger 1200 terminals with access to the Viasat high-capacity satellite constellation to further flexible, secure, and resilient communications. The Ranger 1200 terminal currently provides video, voice, and data networking over commercial Ku-band and Military X/Ka- band networks; with the addition of the Viasat High-Capacity Ka Upgrade Kit, the Ranger 1200 terminal will be able to access high-capacity Ka-band satellites, allowing the terminal operator to effectively communicate at faster speeds with superior security and resiliency.

Integrated with Viasat CBM-400 to Provide Additional Waveforms

The Ranger 1200 terminal currently integrates with iDirect 900, Comtech DMD1050TS, and L3Harris MPM-2500 modems. The Viasat High-Capacity Ka Upgrade Kit includes Viasat's CBM-400 modem which will enable the Ranger 1200 terminal to operate over EBEM, LinkWay® and ArcLight® waveforms. The communication resiliency is increased as a result of Viasat CBM-400's additional frequency and waveform diversity. From opening the case to operating on a satellite, Viasat's High-Capacity Ka Upgrade Kit can be set up within a matter of minutes. Viasat High -Capacity Ka Upgrade Kit includes a built-in pointing functionality to allow users with minimal training to accurately position the Ranger terminal, obtain satellite acquisition, and maximize throughput.

Viasat High-Capacity Ka Upgrade Kit

Incorporating the Viasat High-Capacity Ka Upgrade Kit into the Ranger 1200 terminal enables access to high-capacity Ka satellite coverage, standard and tailored service plans, and a global terrestrial network.

Service Plans

Viasat SATCOM service is more than forward and return link rates. It is about enabling critical new operational capabilities. Viasat offers multiple standard service plans, up to 100x5 Mbps, enabling bandwidth-intensive applications to communicate from the Ranger 1200 terminal. If one of the standard plans doesn't fit your terminal's requirements, Viasat can provide tailored service plans and customize QoS (Quality of Service) to meet the mission goals.

Multi-Protocol Label Switching (MPLS)

Viasat provides MPLS connectivity to specific government Points- of-Presence, creating a virtual private network that can transport data to and from remote sites without traversing any public internet circuits. Viasat's global satellite coverage, coupled with worldwide terrestrial backhaul, allows terminal operators with the Viasat High-Capacity Ka Upgrade Kit to connect to datacenters worldwide, creating an integrated networking solution.

Get Connected by Viasat Today

Looking to integrate the Viasat High-Capacity Ka Upgrade Kit and enable high-capacity Ka service on the Ranger 1200 terminal? Reach out to insidesales@viasat.com for more information.



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