



## Hughes Specialized Satellite Modems Power Beyond-Line-of-Sight Communications for Remotely Piloted Aircraft

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**Hughes Begins Shipments of HM400 SATCOM Solution to General Atomics Aeronautical Systems, Inc. for its SkyGuardian™ Military and Commercial Applications**

GERMANTOWN, Md., Feb. 7, 2019 /PRNewswire/ -- [Hughes Network Systems, LLC](https://www.hughes.com) (HUGHES), the global leader in broadband satellite networks and services, today announced the first shipments of its specialized, multiband HM400 SATCOM modems to General Atomics Aeronautical Systems, Inc. (GA-ASI), powering beyond-line-of-sight communications for their next-generation Remotely Piloted Aircraft (RPA) known as the MQ-9B SkyGuardian™.



Customized to meet specific operational requirements, the specialized Hughes HM400 delivers enhanced satellite-based communications for remotely piloted aircraft, leveraging an open system architecture and software-definable modem and waveform technology for a best-in-class solution. Supporting both military and commercial satellite frequencies, the fully integrated and highly resilient solution opens up applications such as search and rescue or disaster response for Predator-variant aircraft.

"Hughes develops innovative technology to suit customer needs and, in this case, our HM400 was customized for GA-ASI's resilient communications-on-the-move requirements for their SkyGuardian RPA," said Rick Lober, vice president and general manager of Hughes Defense and Intelligence Systems Division (DISD). "We're excited to be part of GA-ASI's team and starting the delivery of HM400 units for their next-generation platform."

Ideal for military operations in harsh or contested environmental conditions, its many benefits include frequency reuse for high operational efficiency, high data throughput rates for HD video and data transmissions, and a low Size Weight and Power (SWaP) profile.

For more information on the Hughes HM400 Modem, visit <https://government.hughes.com/collateral-library/hm400-modem>

### About Hughes Network Systems

Hughes Network Systems, LLC (HUGHES) is the global leader in broadband satellite technology and services for home and office. Its flagship high-speed satellite Internet service is HughesNet®, the world's largest satellite network with over 1.3 million residential and business customers across the Americas. For large enterprises and governments, the company's HughesON™ managed network services provide complete connectivity

solutions employing an optimized mix of satellite and terrestrial technologies. The JUPITER™ System is the world's most widely deployed High-Throughput Satellite (HTS) platform, operating on more than 20 satellites by leading service providers, delivering a wide range of broadband enterprise, mobility and cellular backhaul applications. To date, Hughes has shipped more than 7 million terminals of all types to customers in over 100 countries, representing approximately 50 percent market share, and its technology is powering broadband services to aircraft around the world.

Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a wholly owned subsidiary of EchoStar Corporation (NASDAQ: SATS), a premier global provider of satellite operations. For additional information about Hughes, please visit [www.hughes.com](http://www.hughes.com) and follow [@HughesConnects](https://twitter.com/HughesConnects) on Twitter.

#### **About EchoStar**

EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite communication solutions. Headquartered in Englewood, Colo., and conducting business around the globe, EchoStar is a pioneer in secure communications technologies through its Hughes Network Systems and EchoStar Satellite Services business segments. For more information, visit [www.echostar.com](http://www.echostar.com). Follow [@EchoStar](https://twitter.com/EchoStar) on Twitter.

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