



# Spacenet-Ku SCADA Series

Powered by SkyEdge® II Technology

## Pre-Packaged Satellite Services for SCADA/M2M

SageNet's Spacenet Satellite Services™ are designed to address the unique applications and operating environments of our clients. Whether your organization needs secure broadband networking, VoIP solutions, network backup, real-time video, or all four, SageNet's Spacenet Satellite Services™ deliver the ideal solution to meet your specific requirements. We offer our family of pre-packaged satellite services in addition to an array of customized networking options, including Private Satellite Networks, Virtual Private Satellite Networks and Hybrid Satellite & Common Carrier Networks.

SageNet's Spacenet line of commercial grade pre-packaged VSAT services, optimized for the best performance for mission critical application environments. These services feature some of the best SLAs in the industry, including the industry's only "Minimum Assured Speed" guarantee, as well as 24 x 7 customer support and professional-grade installation and maintenance options.

## Full Support for SCADA Applications

Spacenet-Ku SCADA/M2M services provide an always on, satellite-based private and secured IP network connection designed to support remote monitoring, Supervisory Control And Data Acquisition ("SCADA") applications, remote sensing equipment, and other transaction-based applications. It can be deployed to remote locations supporting pipelines, power, water and other utility distribution sites. In addition to transaction based applications, Spacenet-Ku SCADA can provide broadband services including VoIP, Video and Fax at the remote sites. Extensive QoS tools guarantee SCADA applications will have priority over Internet access, thus Internet access will not interfere/delay SCADA applications.

## Optional Mesh Services

Mesh topology provides the ability for VSATs to communicate directly to other VSATs, skipping the hub and minimizing delay. That means, for example, one VSAT can communicate with the data center without traversing any terrestrial link, or, a telephone conversation between people on VSAT-connected telephones only has a single hop - a delay not noticeable to most people.



### Benefits

- Designed for remote sensing sites
- Optimized to support transaction-based traffic
- Predictable Low Latency (sub 1 sec)
- Automatically adapts to broadband (HTTP, VoIP, and Video)

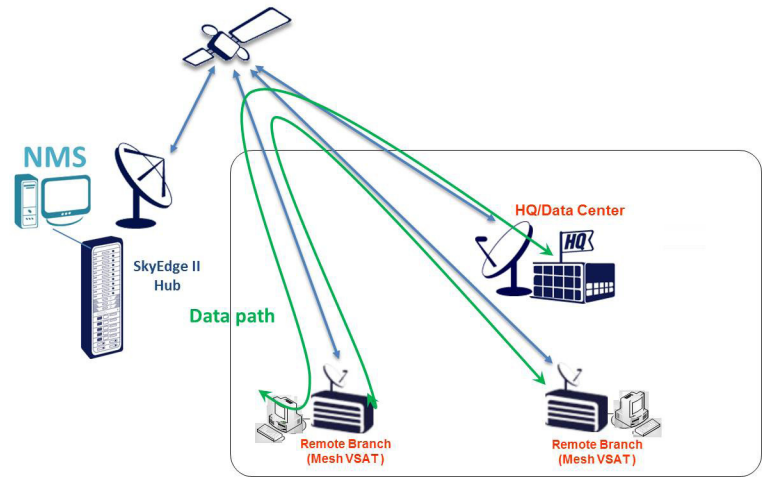
Mesh IP supports single-hop performance for computer applications such as client/server software that requires frequent two-way connectivity between computers at remote locations.

## Premium Customer Support Program

The SageNet Premium Customer Support Program (PCS) provides enhanced customer support services customized to meet the highest requirement demands. The PCS Program is a comprehensive family of network and management support services that allows a customer to monitor, manage and maintain networks more effectively.

The core components of the PCS Program include the following:

- Premium 24x7 - Level 3 Network Engineering Support
- Proactive Network Monitoring and Notification
- Customer Network Changes (Add/Moves) - SLA within 4 Business Hours



Mesh Topology

Services are available in three base service levels at the speeds and throughput specifications defined below:

	Spacenet-Ku SCADA-S2 64	Spacenet-Ku SCADA-S2 128	Spacenet-Ku SCADA-S2 256
Transactions per Hour (assuming up to 100 bytes per transaction)	~6,000	~12,000	~18,000
Upgrade Options	N/A	N/A	6,000 transactions per upgrade; up to 500,000 transactions
Average Network Response Time	≤1 second	≤1 second	≤1 second
Maximum Inbound Network Speed	64 Kbps	128 Kbps	256 Kbps
Maximum Outbound Network Speed	64 Kbps	128 Kbps	256 Kbps
CBR on Inbound and CIR on Outbound Upgrade Options	Yes - both inbound and outbound		
Network Availability	99.9 %		
IP Addresses	5 static private		
TCP/IP Sessions	Up to 32 sessions		
Public Internet Access	Optional		
Optional Voice/Fax Support	Yes		

To learn more about SageNet's complete line of Spacenet Satellite Services™, visit [www.sagenet.com](http://www.sagenet.com) or call 1-866-480-2263.

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