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FACTSHEET

DataSat II™ from Stratos SCADA VSAT Solution

DataSat II from Stratos is a new broadband service that provides two-way satellite-based solution enabling SCADA through IP or serial for your whole network. This integrated solution offers unmatched technical and operational experience embedded into one enhanced system. Networks, regardless of size, can now provide value added features, full flexibility and multiple types of VSAT's for a superior service offering.

The DataSat II family of products offers new embedded technologies including: acceleration, VPN, QoS, high inbound bit rates, improved access scheme and modulations resulting in maximum efficiency and performance from your satellite network.

The DataSat II family also offers a cost effective method for delivery of complete communication services required by enterprises, carriers, and service providers, from interactive data to broadband IP, public and corporate telephony and beyond. The versatility of the DataSat II product line allows customers to meet their present and future business objectives, providing the option to deploy every communication application across all market segments, today.

DataSat II Service Features and Benefits

- Multiple service options starting at 32 Kbps
- Flat rate pricing
- IP and/or Serial communication
- Ease of migration from DataSat to DataSat II
- Advanced Quality of Service
- Built-in Accelerated VPN
- Flexible Platform; AC/DC options; Outside IDU option
- Advanced Encryption
- Standard-Compliant
- Improved Bandwidth Efficiency
- Superior 24x7 Pro-active Monitoring
- DataSat II Technical Specifications

Outbound Carrier

| | |
|------------------|---------------------------------|
| Standard | DVB-S |
| Carrier Bit Rate | 340 Kbps - 66 Mbps |
| Modulation | QPSK or 8PSK (optional) |
| Coding | Viterbi & Reed Solomon or Turbo |
| FEC Rate | 1/2, 2/3, 3/4, 5/6, 7/8 |

Inbound Carrier

| | |
|---------------|---|
| Access Scheme | Combined TDMA, FDMA |
| Bit Rate | 60 Kbps – 2 Mbps (Supporting different bit rates for different work groups) |
| Modulation | GMSK |
| Coding | Turbo Coding FEC ~3/4, ~7/8 |

Outdoor Unit

| | |
|------------------------|---|
| Antenna Size (Typical) | Ku-Band: 1.2 m – 1.8 m C-Band: 1.8 m |
| Operating Temperature | -40 to +60 °C |
| Humidity | Up to 100% |

Transmitter ODU (1W, 2W Ku-Band)

| | |
|-----------------|-------------------------------------|
| LBN | Standard TVRO Type |
| Indoor Unit | |
| RF Input/Output | Two F Connectors, 75, Female |
| Data Interface | 100 BaseT, Async, RS-232 (optional) |
| Operating Volt. | AC: Wide Range 100 - 240 V |
| Size | 300 mm x 233 mm x 50 mm |

Environmental Conditions

| | |
|-------------------|---------------------------------|
| Operating Temp | -5 to +50 °C |
| Storage Temp | -40 to +70 °C |
| Relative Humidity | Up to 90% |
| Coding | Viterbi & Reed Solomon or Turbo |
| FEC Rate | 1/2, 2/3, 3/4, 5/6, 7/8 |



BEYOND THE HORIZON®

About Stratos

Stratos is the world's trusted leader for vital communications. With more than a century of service, Stratos offers the most powerful and extensive portfolio of remote communications solutions including mobile and fixed satellite and microwave services. More than 20,000 customers use Stratos products and industry-leading value-added services to optimize communications performance. Stratos serves U.S. and international government, military, first responder, NGO, oil and gas, industrial, maritime, aeronautical, enterprise, and media users on seven continents and across the world's oceans. For more information visit www.stratosglobal.com.

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