



NEWSAT | INTERNET, EMAIL & DATA

**NewSat**<sup>TM</sup>  
True Broadband

**NewSat**  
**TRUE BROADBAND**  
High Speed Internet  
Email & Data

- HIGH SPEED INTERNET & EMAIL
- RELIABLE DATA TRANSFER
- LOW COST VOICE OVER IP (VOIP)
- VIDEO CONFERENCING



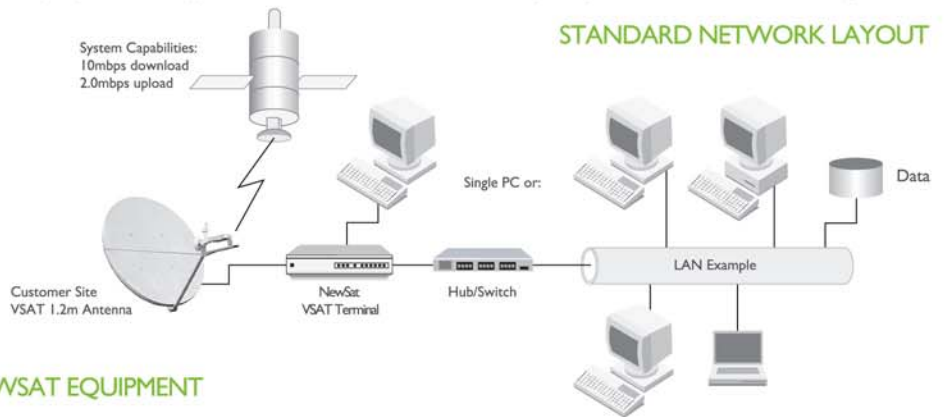
# NewSat High Speed Internet, Email & Data

NewSat offers business True Broadband solutions using the next generation of two-way satellite broadband services.

Companies that require higher speeds and more reliability from private networks, both outbound and inbound will benefit from NewSat's services, offering Internet, Email and Data communications that already make traditional broadband services look dated.

NewSat True Broadband services are based on cutting edge VSAT technologies capable of providing both public and private IP network access from city offices to even the most remote locations. As the workhorse of the satellite industry, VSAT provides solid communications, robust data delivery unrivalled adaptability. Download speeds range from 128kbps to 10mbps while upload can range up to 2.0mbps. More importantly NewSat offers a guaranteed network availability of 99.5 percent.

VSAT technology is not limited by reach of a buried cable. VSAT stations can be placed anywhere there is an unobstructed view of the satellite. They're capable of sending and receiving all sorts of video, data and audio content at the same high speed, regardless of distance from terrestrial switching offices and infrastructure. This means faster Internet, Email and Data transfer for business. Additional bandwidth can be added on request to deploy further applications such as Voice over IP (VoIP) and Video Conferencing.



## NEWSAT EQUIPMENT

### Outdoor Unit (ODU)

Standard 1.2m offset antenna with pole mount, receive and transmit components. Installed by experienced VSAT installers.

### Indoor Unit (IDU)

LinkStar™ is the highest performance, star-based VSAT system for service providers, ISP's, and corporate network managers who are seeking a system based on DVB standards. LinkStar's edge is in its dynamic bandwidth allocation that makes it more efficient and faster than other TDMA systems. Terminals can transmit data to the network hub at speeds up to 2.0mbps, with data downloads of up to 10mbps, satisfying bandwidth-intensive applications using IP data.

### Technical Features

- Fully interactive satellite terminal
- Broadband satellite return channel
- MF-TDMA return channel with bandwidth on demand
- Return Channel enhanced with DVB-RCS Turbo coding
- TCP acceleration
- Broadband DVB-MPE outbound channel to 60mbps
- QPSK outbound modulation from hub
- Supports TCP-IP, UDP, IP, RIP, IGMP and QOS



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