

## The Ku-band service, powered by Tachyon provides:

1. Alternative to conventional leased lines with full SLA's on both the entry level Express Services and the premium Enterprise Service which feature customizable throughput.
2. Emergency Back-up connectivity to terrestrial lines - small monthly standby fee and pay as you go.
3. Virtual Private Network Accelerator for (Industry, Commerce, Banks, Insurance)
4. Mobile/Quick Deploy Internet connections.
5. FlexNet Pooled bandwidth solution for larger multi-site networks. Customer defines service objectives (i.e. capacity over subscription). Minimum of 100 users.



## Benefits to End User

The service provides always-on broadband Internet access with fixed customer premise equipment (CPE) that matches the quality and performance of terrestrial lines at high-speed data rates:

### Performance

- Guaranteed high burst-speeds and performance
- Support SSL\HTTPS with performance at 80% of the original speed with no additional software or hardware
- Support end-to-end VPN (using Cisco, Microsoft PPTP, Check Point, or Nortel VPN) at speed of 80-100 kbps with no additional software or hardware

### Reliability

- Network availability of 99.95% or better, measured on a month-by-month basis! (compared with the common 12 months average measure)
- Standard 2 Watt radio and 1.2 meter dish
- 1RU Linux based IDU enclosed in a metal case
- Geographically divers uplink facility backing up all of our customers

### Security

- The gateway infrastructure is privately owned and operated by Tachyon employees with security zone which is enforced on our gateway and customer hosted equipment
- A single point of entry allows all sites to be protected by high-end firewall, anti-virus, and other filters
- Run encrypted transactions with no additional software or hardware 2X – 3X faster than dialup speeds

## **Commercial Grade**

- Service is backed by SLAs
- Each site gets a public static IP address (additional available for purchase)
- Multi-location businesses can connect sites to a WAN with a backhaul (IPSec or dedicated) back to a data center
- The Express service is ideal for web surfing, e-mail, instant messaging, occasional web-cam conferencing, polling, security monitoring (not streaming video), remote PC troubleshooting, and better than other satellite solutions with applications like Citrix, SAP and VPN
- The Enterprise service allows for customizable bandwidth options to accommodate the specific requirements of even the largest corporations.
- FlexNet service provides a pooled bandwidth option for corporations with 100 or more remote locations.
- Works with any operating system supporting TCP/IP such as Windows®, Mac®, Unix®, and Linux®

## Secure VPN Technology

Secure Traffic Accelerator Central (STAC) / Secure Traffic Accelerator Remote (STAR)

### Secure Traffic Accelerator Central (STAC)

Fast, Bulletproof End-to-End Delivery of Encrypted Data To and From Your Headquarter's LAN  
Tachyon Networks Incorporated ("Tachyon") developed STAC to meet the needs of customers with serious security requirements. Whether you're using IPSEC or proprietary security protocols, you no longer have to sacrifice performance for peace of mind.

Ensuring fast and reliable end-to-end delivery of encrypted data requires a device at both ends of your link. Tachyon's STAC is the central device that accelerates TCP/IP traffic prior to its getting encrypted and being sent to remote locations. STAC resides between Tachyon's Gateway and your headquarters' LAN and communicates with Tachyon's STAR (Secure Traffic Accelerator Remote), located at your remote LANs. STAC can communicate with as many remote locations as your operation requires, so you can rely on high security and performance without costly upgrades as your needs grow. And because STAC knows the service level for each location, it performs appropriately, providing guaranteed QoS.

### Tachyon's STAC:

- Accelerates sending and receiving encrypted data to and from all of your remote locations
- Ensures terrestrial-like throughput and speed of encrypted data
- Delivers the service you want to each remote location through guaranteed QoS
- Supports Tachyon's Primary Access Service and Back Up Service

### STAC is built for performance and reliability and includes:

- Dual power supplies
- Redundant fans
- 1000 mB of RAM
- P3 processer
- 733 MHz speed



Secure Traffic Acceleration and Transport (STAC/STAR)

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## Secure Traffic Accelerator Remote (STAR)

Fast, Bulletproof End-to-End Delivery of Encrypted Data To and From Remote LANs  
Tachyon Networks Incorporated ("Tachyon") developed STAR to meet the needs of customers with serious security requirements. Whether you're using IPSEC or proprietary security protocols, you no longer have to sacrifice performance for peace of mind.

Ensuring fast and reliable end-to-end delivery of encrypted data requires a device at both ends of your link. Tachyon's STAR is the device that accelerates TCP/IP traffic prior to its getting encrypted at your remote LANs and receives accelerated encrypted traffic from Tachyon's STAC (Secure Traffic Accelerator Central) located at your headquarters' LAN. And because Tachyon guarantees Quality of Service, you can be sure to receive the reliability and performance you require for each remote site, even in a highly secure network environment.

### **Tachyon's STAR:**

- Accelerates sending and receiving encrypted data from and to your HQ LAN
- Ensures terrestrial-like throughput and speed of encrypted data
- Delivers the reliability and performance you want from each remote location through guaranteed Qos
- Supports Tachyon's Primary Access Service and Back Up Service

**STAR is small and lightweight, built for easy set-up and transportability.**

### **STAR includes:**

- Two management interface choices-browser or central management system-for easy access on the move
- 128 mB of RAM
- P3 Celeron processor
- 566 MHz speed

