

Extending your network anywhere

Secure Traffic Accelerators

Fast, Bulletproof end-to-end delivery of encrypted data to and from your headquarter's LAN.

Tachyon Networks Incorporated ("Tachyon") developed the Secure Traffic Accelerators to meet the needs of customers with serious security requirements. Whether you are 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 solution is comprised of a Secure Traffic Accelerator Central (STAC) and Secure Traffic Accelerator Remote (STAR). The STAC is the central device that accelerates TCP/IP traffic prior to its getting encrypted and being sent to remote locations. The STAC resides between Tachyon's Gateway and your headquarters' LAN and communicates with Tachyon's STAR, located at your remote LANs. The 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.

The STAR accelerates TCP/IP traffic prior to encryption at your remote LANs and receives accelerated encrypted traffic from Tachyon's STAC located at your headquarters' LAN.

Relying on our guaranteed Quality of Service, you can be sure to receive the reliability and performance you require for each remote site in the most demanding secure network environments.

Tachyon Secure Traffic Accelerators:

- Accelerate sending and receiving encrypted data to and from all of your remote locations
- Ensure terrestrial-like speeds of encrypted data
- Deliver the service you want to each remote location through guaranteed QoS
- Support all Tachyon data services

Tachyon Networks answers the call for connectivity

Tachyon meets today's need for network connectivity – anytime, virtually anywhere – with a variety of broadband services and options.

All of Tachyon's solutions are powered by T-Force, the Satellite Broadband Performance Optimizer. T-Force consists of core network and satellite communications technologies, proprietary software, and methodologies that together deliver reliable, fast satellite broadband transport; maintain TCP/IP standards compliance; and guaranteed QoS backed by full SLAs.



STAR Remote CPE

Technical Specifications

Rear Panel Port Specifications

- WAN Interface – Ethernet, 10/100 BaseTX, RJ-45, full duplex operation
- LAN Interface – Ethernet, 10/100 BaseTX, RJ-45, full duplex operation
- Serial Interface – RS-232, 9-pin Male, DCE

Environmental Specifications

- Temperature 10° to +40° C ambient air (operating)
- Warm-up ≤ 15 minutes
- Humidity 5 to 95% non-condensing

Mechanical Dimensions (STAC)

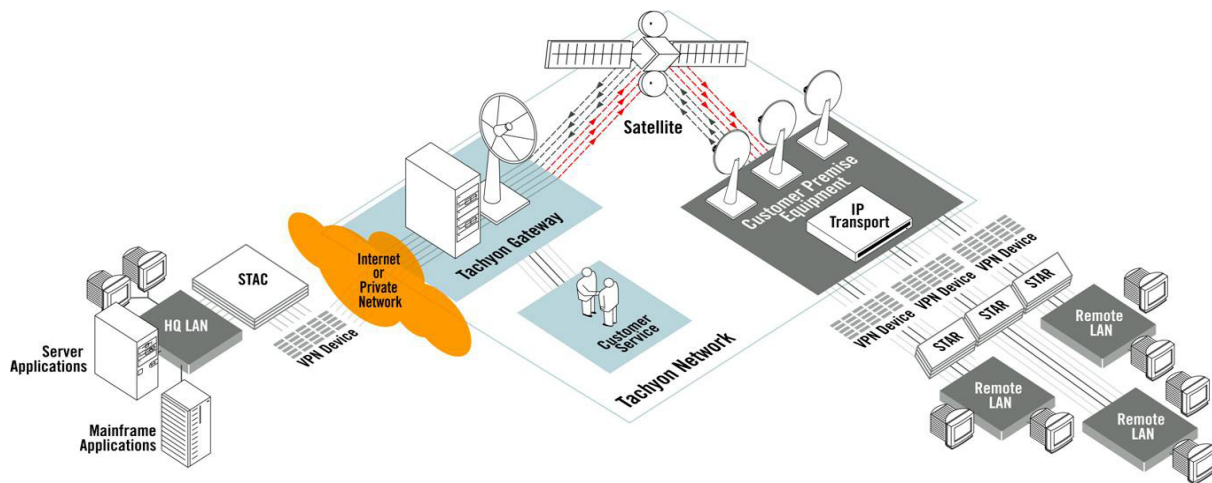
- Size: 8.4 cm (h) x 42.5 cm (w) x 66.7 cm (d)
- Weight: 22.6 kg (50 lbs.)
- Shipping Weight: 24.9 kg (55 lbs.)

Mechanical Dimensions (STAR)

- Size: 8.4 cm (h) x 42.5 cm (w) x 66.7 cm (d)
- Weight: 22.6 kg (50 lbs.)
- Shipping Weight: 24.9 kg (55 lbs.)

Power Specifications

- Switch selectable voltage range, 110/220 Volts
- Frequency 50/60 Hz
- 158 Watts (typical), 350 Watts (maximum)
- Redundant power supplies (STAC)



Secure Traffic Acceleration and Transport (STAC/STAR)

Rapid, End to End Delivery of Encrypted Data

Learn how **Tachyon's Secure Traffic Accelerators** can extend your network everywhere.

Contact us: **877-589-FAST**
www.tachyon.net

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