



CRYPTTEK™

Crypttek CS101 and CS102

DELIVERING HIGH PERFORMANCE ENCRYPTION FOR SATELLITE

Crypttek CS101 and CS102, a patented solution from Crypttek, combines our proven government certified IPsec VPN, firewall and management solution with SCPS-TP TCP acceleration, Web pre-fetching, and IP data compression. This allows the establishment of high performance VPN tunnels across satellite and other high latency environments.

- Government certified IPsec VPN and firewall
- SCPS-TP TCP acceleration
- Web pre-fetching
- Security and performance
- Security extensible to back haul network
- Carrier/Provider agnostic
- Embedded IP compression
- Network Address Translation (NAT)



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ACCELERATION AND ENCRYPTION

The problem: Most satellite modem vendors today have built into their in-door units/modems some form of acceleration to allow efficient TCP/IP communications over the satellite. Acceleration cannot be performed on encrypted packets. By inserting standard encryption software/appliances in-line, the embedded modem acceleration breaks, thus reducing the effective bandwidth over the satellite by over 75%.

Cryptek CS101 and CS102 solves this problem by performing SCPS-TP compliant TCP acceleration in advance of encryption so the packets are both accelerated and encrypted prior to reaching the satellite modem. Additionally, Cryptek CS101 and CS102 performs both Web pre-fetching and IP data compression which can provide a significant bandwidth increase with security over your satellite network.

SINGLE BUMP-IN-THE-WIRE APPLIANCE

Cryptek CS101 and CS102 are the first single box appliances that combine advanced acceleration and compression techniques with encryption and firewall capabilities. As a bump-in-the-wire solution, Cryptek CS101 and CS102 appliances easily deploy in-line with any existing satellite or other long haul service provider. With Cryptek CS101 and CS102, your security is independent of your service provider, allowing you to change and/or add additional providers without any impact on your security.

SINGLE AND DUAL CHANNEL SOLUTIONS

Cryptek CS101 and CS102 provide appliances that support both remote terminal and hub locations. Cryptek CS101 and CS102, our single channel appliance, is used when the requirement is to terminate the VPN at the remote terminal and/or hub side. Cryptek CS101 and CS102, our dual channel appliance, provides the capability to re-encrypt the communication over the back-haul network at the hub and/or local network at the remote terminal allowing end-to-end security.

POINT-TO-POINT AND POINT-TO-MULTIPOINT

All Cryptek CS101 and CS102 appliances can support both point-to-point and point-to-multipoint environments. Each Cryptek CS101 and CS102 can support up to 5,000 concurrent tunnels allowing separate secure communication tunnels to be created for each authorized communication path initiated through Cryptek CS101 and CS102.

GOVERNMENT CERTIFIED SECURITY

Cryptek is committed to providing the most secure and trusted security solutions available on the market. DiamondTEK solutions have been certified under the Common Criteria at the EAL-4 level as a VPN, firewall, and network management solution. DiamondTEK also provides FIPS 140-2 certified encryption.

SECURITY WITH PERFORMANCE

The key requirement and challenge is to provide both security and performance. With Cryptek CS101 and CS102, this challenge is fulfilled. The combined encryption, access controls, acceleration and compression provided in Cryptek CS101 and CS102 delivers security and performance.

FULL CENTRAL MANAGEMENT

Cryptek CC200 provides full central management and control of all deployed DiamondTEK software and appliances including Cryptek CS101 and CS102. Central management and control for Cryptek CS101 and CS102 and other deployed DiamondTEK devices includes security policy management, audit collection, alarms notification, and firmware updates.