SnapTrunk

The Snaptrunk is an encryption gateway and security management console located between the telecommunications service provider and the corporate PABX. Snaptrunk creates a shift in enterprise communication security, by providing security at the network level, rather than at the level of the individual user.

Snaptrunk is an effective too enforce and monitor corporate security policy, by detecting, logging and controlling all inbound and outbound telecom network activity based on user defined, automated security policies. It protects enterprise networks, phone systems and other critical infrastructure from back-door and other external attacks through the Public Switched Telephone Network.

Due to its unique gateway structure the Snaptrunk is complete transparency to the end-user, allowing a secure call to be placed in exactly the same manner as a regular call. Using patent point-to-multipoint technology Snaptrunk is capable of secure multiparty conference calls and protection against information theft even when only a portion of the network is secured.

A Snaptrunk can support up to 6 E1/T1 interfaces, allowing up to 90/72 concurrent secured calls. The Snaptrunk includes central management functionality capable of supporting and managing groups of secured network and perform management services such as authentication, configurations, alarming, statistics, user profiling, auditing, CDR, remote upgrading and more. Snaptrunk supports all major PABX's.

Key Benefits

- Security at the network level, rather than at the level of the individual user.
- Highest levels of security (FIPS 140-2 level 2)
- Interoperates with Snapshield product portfolio
- Support for Snapshield's patented point-to-mulitpoint technology
- Enforce and monitor corporate security policy
- Completely transparent to the end-user
- Programmed with a predefined a list of telephone numbers or prefixes
- Support multiple concurrent calls.

Snaptrunk Features

- High level encryption process, supporting unique session keys (FIPS 140-2 Level 2)
- Up to 90 simultaneously encrypted sessions
- Full management capability
- User defined authentication and access control capabilities.
- Supports common PABX
- Software upgradeable
- Call logging and CDR's
- Full monitoring capability
- Distributed database
- Reporting
- User Management
- Key exchange management

Technical Specifications

Protocol	VoIP	Euro-ISDN PRI or CAS
Call Signaling:	H.323 or SIP	Q.931
Data Transport:	RTP (IETF RFC 1889)	Modem:
		Voice - Proprietary Modem: Max. transmission Rate:14,400 bps; Synchronization Time:7 sec
		GSM-V110 according to PRI ISDN:
		Max. Transmission Rate:9,600 bps;
		Synchronization Time:7 sec
		Fax - Proprietary Modem:
		Max. transmission Rate:14,400 bps
		Synchronization Time:7 sec
		With Fax Relay supporting GROUP 3 T30 Fax
Supported Audio Codecs:	G.711 (PCM); G.723.1; G.726 (ADPCM); G.728; G.729a	G.723.1 compliant; G.729A; G.726; Voice quality (MOS) 3.88 - 4; Bit Rate: 6.4Kbps,8Kbps,32Kbps
Confidentiality:	3 DES (168192-bit key)	3 DES -– Key Length:168 192 bit Key
	AES (128,192 and 256-bit key)	AES - Key Length:256 bit; Key;
		Key Exchange Time: Less than 1 Sec
Integrity:	HMAC-SHA1-96	Optional
Authentication:	Password based	Password based
Key Management:	Diffie-Hellman key exchange: 1024-bit public key,	Diffie-Hellman key exchange:
		1024-bit public key, 192-bit private key

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