

Communication Systems – East

VoIP/STE

L-3 and Cisco Systems Announce VoIP STE, Providing Secure Voice and Data over Converged IP Networks. NSA Certified!

PRODUCT DESCRIPTION

Upgrading your existing STE to a VoIP STE is the most cost effective path to emerging VoIP technology. The VoIP STE, when used with the Cisco CallManager and Gateway, provides end-to-end interoperable Secure Voice and Data communications. The VoIP STE incorporates SCIP (Secure Communications Interoperability Protocol) signaling to enable interoperability with the STE, OMNI™ and other SCIP, wired and wireless terminals on the public switched telephone network (PSTN). The VoIP capability is adapted to the STE terminal through a kit that includes the IP network interface card and VoIP STE software. This kit provides proven Cisco Systems VoIP network features, including Quality Of Service (QoS), Jitter Avoidance, and Multilevel Precedence and Preemption (MLPP) to provide the necessary infrastructure for the VoIP STE to support both IP network secure and non-secure voice and data traffic as well as off IP network secure and non-secure voice and data traffic. The VoIP STE capability can be added to a fielded STE or purchased as a pre-configured VoIP STE. The integral STE black expansion slot allows existing fielded STE terminals to be upgraded to VoIP STE terminals with no hardware changes. Upgrading to VoIP STE benefits users by utilizing one IP network for converged voice and data services to reduce cost and speed deployment. There's no need to invest in new terminals, when your existing STEs can quickly and easily be upgraded to support next generation network.



FEATURES

- SCIP signaling supports Secure Voice and Data Interoperability, Secure Dial and Rekey
- Upgrade Kit adds Secure VoIP technology to the proven fielded STE and Tactical STE terminals
- Affords a convenient path from legacy networks to next generation strategic and tactical networks with no hardware changes
- Retains option to transition back to legacy networks
- Retains all STE functionality when transitioned to the VoIP network infrastructure (Excluding Remote Control)
- Connectivity to the PSTN through Cisco 2691, 3700 or 3800 Series Gateways
- Non Secure calls over IP using G.711 and G.729A vo-coders
- Supports MLPP
- Crypto Modern capable with new PCMCIA Crypto Card
- Upgradeable to IPv6 and SIP

APPLICATIONS

Secure Voice and Data Communications include:

- IP Local Area Network (LAN) to Public Switched Telephony Network (PSTN) Gateway
- IP LAN to IP LAN
- IP Wide Area Network (WAN) to WAN
- IP Enclave to PSTN through the Cisco 2691, 3700 & 3800 Series Gateways



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SECURITY

- Information Protected by PCMCIA Crypto Card
- Secure Access Control System (SACS)
- Access Control List (ACL)
- Maximum and Minimum Security Levels
- Secure Dial
- Alphanumeric Display for Identification and Authentication
- Tempest Compliance
- Provides encrypted packets, clear headers

SELECTABLE STE FEATURES

- Auto Secure/Secure Only/Traditional
- Zeroize Terminal
- Terminal Self Test Diagnostics

VOIP NETWORK INTERFACE

- VoIP STE Ethernet card inserted into black expansion port
- VoIP STE Software baseline includes IP stack and Ethernet card

RED DATA NETWORK INTERFACE

- EIA -232E/EIA-530A Menu Selectable

DESIGN COMPLIANCE

- FCC Parts 15 & 68
- US: EMC/EMI MIL-STD-461B RS03
- Europe: EMC, Safety, ISDN TBR-3

POWER REQUIREMENTS

- External Power Supply 90-253 VAC, 47-63 Hz
- Autoranging
- 20 Watts Maximum

ENVIRONMENTAL

- Operating Temperature: 0° to 40°C
- Operating Rel Humidity: 10% to 90% Noncondensing
- Storage Temperature: -20° to 60°C

CISCO IP NETWORK

Cisco CallManager

- Cisco CallManager 4.1 call-processing software extends enterprise telephony features and capabilities to packet telephony network devices such as the IP-STE, Cisco IP phones, media processing devices, VoIP gateways, and multimedia applications

Cisco Gateway

- Cisco 2691, Cisco 3725, Cisco 3745, Cisco 3825, and Cisco 3845
- Supports secure communications provided over standards-based v.150.1 modem relay
- Cisco gateways provide onboard LAN/WAN connectivity and new high-density service modules in compact form factors

Features

- Lowers the total cost of ownership by using a single IP network infrastructure to support voice and data
- Enables migration from traditional time-division multiplexing (TDM) networks to IP Communications
- Scales easily and cost-effectively to accommodate up to thousands of VoIP users

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