

# Sectéra® vIPer™ Phone

*Universal Secure Phone for VoIP and Analog Networks*



Now Supported by **GEMONE** Encryptor Manager

NSA, JITC and TSG certified

Secure end-to-end voice and data transfer

Integrated security for Top Secret/SCI and Below  
(no Fortezza card or CIK required)

Ideal STU/STE Replacement

High quality voice/low SATCOM latency

Direct connect fiber interface

GEM® One Remote Management

Advanced Cryptographic Capabilities (ACC) Compliant

## Overview

The Sectéra vIPer Universal Secure Phone provides the latest technology for both non-secure and secure, end-to-end Voice over IP (VoIP) and analog networks, eliminating the need for multiple desktop phones. SCIP and Crypto Modernization compliant, the vIPer phone is the only VoIP phone certified to protect information classified Top Secret/SCI and below including Sensitive But Unclassified (SBU). The vIPer phone supports multiple key-sets for U.S. government sponsored interoperability (e.g., NATO and coalition partners).

## Cost-Effective, Modern Secure Phone

The vIPer phone provides high-quality, clear voice and data communications for VoIP and analog networks in one device. Unlike other government secure phones, the vIPer phone is a single desktop phone with integrated security and PIN-based access control, eliminating the cost and labor associated with accounting for additional crypto cards. The vIPer phone features include:

- Embedded fiber interface for direct connection to fiber networks
- Analog (public switched telephone network [PSTN]) and VoIP (Cisco Skinny Call Control Protocol [SCCP] or Session Initiation Protocol [SIP]) connectivity
- Simple switch between analog and VoIP networks via the easy to use menu
- Black Digital Interface (BDI) supports interoperability with satcom handsets allowing secure calls anywhere in the world
- Low satcom latency for satellite communications
- Secure data and fax transfer
- Low power
- Free software upgrades available online
- Precedence and preemption

## Easy to Use and Manage

Simple to install, the vIPer phone can be set up out of the box within minutes. The large, easy-to-read display is intuitive and user-friendly, as is the web-based management tool. From a central location, GEM One enables Admins to remotely configure and upgrade multiple vIPers at one time, view phone status and modify the device configurations. This optional software manager eases the deployment and management of a network of vIPer phones.

## Interoperability

The vIPer phone is interoperable with all U.S. government secure phones, Department of Defense networks and devices (JITC certified), and commercial IP Phones (Avaya, Cisco, etc.). The Black Digital Interface (BDI) provides interoperability with Satcom handsets.

## Customer Investment Protection Program

Invest in a phone with modern technology, not a phone that retrofits older technology. The vIPer phone provides integrated security, capability for use on multiple networks and free software upgrades.

# Sectera vPer Universal Secure Phone

## Benefits/Features

- **Easy-to-Use**
  - Switch between analog (PSTN) and VoIP networks via the easy-to-use menu
  - Supports DHCP for fast set-up
  - Fast secure call set-up
  - Web-based GEM One administration
  - Fast, touch-free software upgrades for non-secure call features
- **State-of-the-Art Technology**
  - Secure data transfer to other SCIP-capable devices (key material, secure fax)
  - Integrated security — no Fortezza card required
  - Commercial open standards
  - Powered over Ethernet or AC
  - MIL-STD-810F for temperature, humidity, vibration, shock and altitude

## Non-secure Call Features

- **Dialing**
  - Corporate Directory (Cisco CUCM)
  - Directory (200 entries)
  - Speed Dial (10 entries)
  - Inbound/Outbound Call List with Date/Time Stamp
  - Last Number Redial
  - Import/export Personal Contact Lists
- **Visual Display**
  - LCD display with backlight
  - Time and Date (dependent on network)
  - Footstand adjustment for display angle
  - Visual Ringing
  - Missed Call Indication
- **Audio Control**
  - Selectable ringtone
  - Speakerphone
  - Headset capable
  - Volume controls
  - Mute
  - Hearing aid compatible

## Certifications

- NSA Certified for Top Secret/SCI and Below
- ACC Compliant
- TSG, JITC and CCSD APL



<sup>1</sup> Both G.711 a-law and G.711  $\mu$ -law are supported.

<sup>2</sup> Not currently supported by Cisco Call Manager.

<sup>3</sup> Use of this phone with a Cisco Call Manager System requires an additional license from Cisco.

<sup>4</sup> Advanced Enterprise Services image required.

<sup>5</sup> V.150.1 support for V.32 and V.34 modulations\*

## Technical Specifications

- **Size**
  - Width: 10 in.
  - Depth: 3 in. (without footstand)
  - Length: 9.5 in.
  - Weight: 4.5 lbs (with footstand)
  - Volume: 285 cu in.
- **Power**
  - Powered over Ethernet (802.3af) - or - AC power 100-240 VAC, 50-60 Hz, 10.5 Watts maximum power
- **Environment**
  - MIL-STD-810F (temperature, humidity, vibration, shock and altitude)
  - Operational: 0°C to 50°C (32°F to 122°F)
  - Storage: -30°C to 80°C (-22°F to 176°F)
  - Humidity: 95% (non-condensing)
  - Altitude: Sea level up to 40,000 ft. (non-operating); Sea level up to 10,000 ft. (operating)
- **Black Interfaces**
  - 10/100BaseT to LAN/WAN
  - 10/100BaseT to Black Computer
  - 100Base-FX Fiber Interface
    - 1300/1310 nm wavelength LED
    - 62.5/125 and 50/125 mm multimode
    - LC type connector
  - USB port
- **Red Interfaces**
  - RS-232 data port for DS-101 key fill and data transfer
  - USB port
- **Secure Data Rate**
  - 100+ kb/s
- **Speech Processing**
  - Non-secure: G.711<sup>1</sup>, G.723.1<sup>2</sup>, G.726<sup>2</sup>, G.729AB
  - Secure: G.729D, MELP
- **Approvals**
  - TEMPEST
  - Safety: CB Scheme - IEC 62368-1
  - EMI/EMC: FCC Part 15 subpart B, Class B, EN-55032 (IP modes)
  - TSG:
    - VIPC Models: PSTN/SIP/SCCP approved
    - VIPF Models: PSTN/SIP/SCCP approved
  - JITC:
    - VIPC Models: PSTN/SIP/SCCP approved
    - VIPF Model: PSTN/SIP/SCCP approved

- **Secure Dial**
  - Transmit/Receive: Yes
- **VoIP Network Protocol Support**
  - Cisco SCCP (Skinny Call Control Protocol)
  - SIP (Session Initiation Protocol)
  - IPv4, IPv6
  - DHCP, DSCP, RTP, TLS/SRTP, LLDP, DNS, TFTP, HTTP, TCP, UDP, MoIP, E.164, SDP

## SIP Info

- **Avaya**
  - Aura Application Server 5300
    - M800, MG3000 Gateways<sup>5</sup>
  - Avaya Aura Communication Manager (minimum release Aura 6.3 FP4)
    - G450 Media Gateway (with MP 160 media module)<sup>4</sup>
- **RIBBON (formerly GENBAND)**
  - C20 Call Session Controller (min release SE17, EXPERiUS 11.2)
  - Gateway platforms: VX900, VX1200, VX1800, (requires 4.7.4v17 or higher)
- **REDCOM**
  - SIP Server & Gateway platforms: High Density Exchange (HDX•C), SLICE® 2100™ (requires 4.0AR3P8 or higher)
- **NEC**
  - NEC Univerge 3C Release 8.6.1.14
    - MP112, 124, M800, MG3000<sup>5</sup>

## SCCP Info

- **Cisco Call Manager<sup>3</sup>**
  - 10.5.2 SU3 and higher recommended
- **Cisco Routers**
  - 2811, 2821, 2851 (requires IOS: 12.4(20)T1<sup>4</sup> or higher)
  - 2911, 2921, 2951 (requires IOS: 15.1(4)M3 or higher)
  - 3725, 3745 (IOS: 12.4(15)T1<sup>4</sup> or higher recommended)
  - 3825, 3845 (IOS: 15.1(4)M3<sup>4</sup> or higher)
  - 3925, 3945 (requires IOS: 15.1(4)M3 or higher)
- **Cisco Gateway Cards**
  - NM-HDv2-1 (T1/E1)
  - NM-HDv2-2 (T1/E1)
  - VVIC2-1MFT (T1/E1)
  - VVIC2-2MFT (T1/E1)

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