Sectéra® vIPer™ Phone

Universal Secure Phone for VoIP and Analog Networks

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
- 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. The vIPer phone can be managed by GEM X™ Encryptor Manager that is also used to manage the widely deployed TACLANE® NSA certified encryptors.

Ideal STU Replacement
The vIPer phone provides a smooth transition to a more flexible, modern secure phone as your networks evolve from analog to VoIP. Simply switch between networks via the easy-to-use menu.

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.).

Customer Investment Protection Program
Invest in a phone with modern technology, not a phone that retfits older technology. The vIPer phone provides integrated security, capability for use on multiple networks and free software upgrades.
**Sectéra vIPer 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 X 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 Call List (50 entries)
  - Outbound Call List (50 entries)
  - Last Number Redial
- Visual Display
  - LCD display with backlight
  - Time and Date (dependent on network)
  - Footstand adjustment for display angle
- Audio Control
  - Selectable ringtone
  - Speakerphone
  - Headset capable
  - Volume controls
  - Mute
  - Hearing aid compatible

**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, G.723.1, G.726, G.729A/B
  - Secure: G.729D, MELP
- **Approved**
  - TEMPEST
  - Safety: CB Scheme - IEC 62368-1
  - TSG:
    - VVIPC Models: PSTN/SIP/SCCP approved
    - VIPF Models: PSTN/SIP/SCCP approved
  - JTC:
    - VVIPC 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/SSL, LLDP, DNS, TFTP, HTTP, TCP, UDP, MoIP, E.164, SDP
- **SIP Info**
  - Avaya
    - Aura Application Server 5300
      - M63000 Gateway
    - Avaya Aura Communication Manager (minimum release Aura 6.2 FP2)
      - G650 Media Gateway
      - (with MP 160 media module)4
  - GENBAND
    - C20 Call Session Controller (min release SE17, EXPERIUS 11.2)
  - NET
    - SIP Server & Gateway platforms: VX900, VX1200, VX1800, (requires 4.7.4V1 or higher)
  - REDCOM
    - SIP Server & Gateway platforms: High Density Exchange (HDX©), SLICE® 2100™ (requires 4.0A/3P9 or higher)
- **SCCP Info**
  - Cisco Call Manager3
    - 4.2/3(SR3) or higher recommended
  - Cisco Routers
    - 2811, 2821, 2851
      - (requires IOS: 12.4(20)T1 or higher)
    - 2911, 2921, 2951
      - (requires IOS: 15.1(M) or higher)
    - 3725, 3745
      - (IOS: 12.4(M)1 or higher recommended)
    - 3825, 3845
      - (IOS: 15.1(M)3 or higher)
    - 3925, 3945
      - (requires IOS: 15.1(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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1 Both G.711 a-law and G.711 μ-law are supported.
2 Not currently supported by Cisco Call Manager.
3 Use of this phone with a Cisco Call Manager System requires an additional license from Cisco.
4 Advanced Enterprise Services image required.
5 V 150.1 support for V.32 and V.34 modulations†