

Sectéra® vPer™ Phone

Universal Secure Phone for VoIP and Analog Networks



Secure, Versatile, Reliable

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 replacement

High quality voice/low SATCOM latency

45-day delivery

Overview

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

Cost-Effective, Modern Secure Phone

The Sectéra vPer phone provides high-quality, clear voice and data communications for VoIP and analog networks in one device. Unlike other government secure phones, the vPer 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. Sectéra vPer features include:

- Analog (PSTN) and VoIP (Cisco Skinny Call Control Protocol [SCCP] or Session Initiation Protocol [SIP]) connectivity
- Simple switch between Analog (PSTN) 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 vPer can be set up out of the box within two minutes. The large, easy-to-read display is intuitive and user-friendly, as is the web-based management tool. The vPer phone can be managed by GEM X™ Encryptor Manager which is also used to manage the widely deployed TACLANE® family of encryptors.

Ideal STU Replacement

The vPer phone provides a smooth transition to a more flexible, modern secure phone as your networks evolve from analog (PSTN) to VoIP. Simply switch between networks via the easy-to-use menu.

Interoperability

The vPer phone is interoperable with all Government secure phones, DoD networks and devices (JITC certified), and commercial IP Phones (Avaya and Cisco).

Customer Investment Protection Program

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

GENERAL DYNAMICS
C4 Systems

Sectera® vPer™ Universal Secure Phone

Benefits/Features

Easy-to-Use

- Switch between analog (PSTN) and VoIP networks via the easy-to-use menu
- LCD display with backlight
- Fast secure call set-up
- Web-based GEM X™ administration
- Fast, touch-free software upgrades for non-secure call features
- Supports DHCP for fast set-up

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

- Directory (200 entries)
- Speed Dial (10 entries)
- Last Number Redial

Visual Display

- Daily Call History log (50 inbound and outbound calls)
- Time and Date (dependent on network)
- Footstand adjustment for display angle

Audio Control

- Selectable ringtone
- Speakerphone
- Headset capable
- Volume controls
- Mute
- Hearing aid compatible

Certifications

- NSA Top Secret/SCI and Below, TSG, JITC, CPSPD Approved Products List

Planned Enhancement

- Secure conferencing



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 to 250 VAC, 50-60 Hz 8 Watts maximum operating

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
- USB port

Red Interfaces

- RS-232 data port
- DS-101 Key Fill
- Headset port
- USB port

Secure Data Rate

- 100+ kb/s

Speech Processing

- Non-secure: G.711¹, G.723.1², G.726², G.729A
- Secure: G.729D, MELP

Approvals

- TEMPEST
- Safety: UL 60950, EN60950, IEC60950
- EMI/EMC: FCC Part 15 subpart B, Class B
- TSG: PSTN vPer, VoIP vPer
- JITC: VoIP vPer, PSTN vPer (approval pending)

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
 - MG3000 Gateway⁵
 - Avaya Aura Communication Manager (minimum release Aura 6.2 FP2)
 - G450 Media Gateway (with MP 160 media module)⁴

NET

- SIP Server & 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)

SCCP Info

- Cisco Call Manager³
 - 4.2(3)SR3 and higher recommended
- Cisco Routers
 - 2811, 2821, 2851 (requires IOS: 12.4(20)T1⁴ or higher)
 - 2911, 2921, 2951 (requires IOS: 15.1(4)M3 or higher)
 - 3725, 3745 (IOS: 12.4(15)T1⁴ or higher recommended)
 - 3825, 3845 (IOS: 12.4(20)T1⁴ or higher recommended)
 - 3925, 3945 (requires IOS: 15.1(4)M3 or higher)
- Cisco Gateway Cards
 - NM-HDv2-1 (T1/E1)
 - NM-HDv2-2 (T1/E1)
 - VWIC2-1MFT (T1/E1)
 - VWIC2-2MFT (T1/E1)

GENERAL DYNAMICS
C4 Systems

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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™