The Sectéra® vIPer™ Phone provides the latest technology for both non-secure and secure, end-to-end Voice over IP and PSTN networks, eliminating the need for multiple desktop phones. Using SCIP signaling and commercial open standards, the vIPer Phone is certified to protect information classified Top Secret and below including Sensitive But Unclassified (SBU), and is available to support multiple key-sets for U.S. government sponsored interoperability (e.g., NATO and coalition).

**Protect Your Investment — Lowest Cost of Ownership/Lifecycle Costs**
The Sectéra vIPer Phone provides high quality, clear voice communications for both secure (Type 1) and non-secure communications on VoIP and PSTN networks. Incorporating the latest in SCIP technology and upgraded algorithms, the vIPer Phone contains integrated security and PIN-based access controls eliminating the need and additional costs for added COMSEC equipment such as a Fortezza card.

The vIPer phone is currently compatible with VoIP networks implemented using Cisco SCCP (Skinny Call Control Protocol) and can be easily upgraded for SIP (Session Initiation Protocol)* VoIP networks. Built to provide seamless communications with legacy secure phones, the secure vIPer phone is software programmable with extensive memory to easily accommodate future upgrades and functionality without impacting userentered information stored in your phone’s memory (e.g., speed dial numbers).

The Sectéra vIPer Phone is Enhanced FireFly capable and does not require a crypto card. The vIPer phone’s high quality voice, low SATCOM latency, and lowest cost of total ownership make it an ideal replacement for legacy STU and STE phones. To protect your investment, a trade-in discount is available.

**Interoperability**
To interoperate with legacy SCIP devices when implemented in a VoIP network, the Sectéra vIPer Phone can be networked to a gateway with modem relay capability. It provides the ability to transition from non-secure to secure to non-secure phone calls and is designed to be interoperable with Avaya, Cisco and Nortel phones for non-secure calls.

**Reliable, High-Quality Products**
The Sectéra vIPer Phone expands the Sectéra portfolio of secure interoperable wireless and wireline products, offering Type 1 encryption for authorized U.S. government personnel over PSTN, VoIP, ISDN, CDMA, GSM, and Iridium®, Inmarsat®, Globalstar and Thuraya satellite networks.
Benefits/Features

Easy-to-Use
- Large, easy-to-read display
- Full-featured
- Fast secure call set-up
- High quality voice
- Web-based administration
- Fast software upgrades
- Touch-free software upgrades for nonsecure call features
- Supports DHCP for fast set-up
- Enhanced FireFly (EFF) capable — no crypto card required

State-of-the-Art Technology
- Integrated security — no Fortezza card required
- Commercial open standards
- Cisco SCCP, SIP1 and PSTN compatible
- SCIP Type 1 interoperable
- IPv6 upgradeable (free software upgrade)
- Powered over Ethernet or AC
- Extensive memory for software upgrades
- MIL-STD-810F for temperature, humidity, vibration, shock and altitude

Ideal Replacement for Legacy STUs/STEs
- High quality voice
- Low SATCOM latency
- Lowest total cost of ownership
- 45-day delivery time

Non-secure Call Features

Call Management
- Call Hold
- Caller ID

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

Visual Display
- LCD screen
- Large size (15 lines, 43 char/line)
- Display backlight
- Daily Call History log (50 inbound and outbound calls)
- Time and Date (dependent on network)
- Footstand adjustment for display angle

Audio Control
- Speakerphone
- Headset capable
- Volume controls
- Mute
- Hearing Aid compatible

Future Non-secure Call Features Planned
- Call Forwarding
- Call Waiting
- 3-Way Calls
- Multi-Line capability
- Call Transfer
Sectéra vIPer Secure Phone

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 to 250 VAC, 50-60 Hz
- 8 Watts maximum 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 (future)
- 100+ kb/s

VoIP Network Protocol Support
- IPv4, IPv6 (upgradeable)
- Cisco SCCP (Skinny Call Control Protocol)
- SIP (Session Initiation Protocol)
- DHCP, DSCP, RTP, DNS, TFTP, HTTP, TCP, UDP, MoIP, E.164, SDP

Speech Processing
- Non-secure: G.711, G.723, G.726, G.729A
- Secure: G.729D, MELP

Cisco Call Manager
- 4.2(3)SR3 and higher recommended

Cisco Routers
- 2811, 2821, 2851 (requires IOS: 12.4(20)T1^4 or higher)
- 3725, 3745, 3825, 3845 (requires IOS: 12.4(9)T1^4 or higher)
- 3825, 3845 (IOS: 12.4(20)T1^4 or higher (recommended)

Secure Dial
- Transmit/Receive: Yes

Gateway Cards
- NM-HDv2-1 (T1/E1)
- NM-HDv2-2 (T1/E1)
- VWIC2-1MFT (T1/E1)
- VWIC2-2MFT (T1/E1)

Environment
- MIL-STD-810F (temperature, humidity, vibration, shock and altitude)
- Operational: 0ºC to 50ºC (32°F to 122°F)
- Storage: −30ºC to 80ºC (−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)

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