

Benefits/Features

Easy-to-Use

- 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

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

Planned Enhancements

- IPv6*
- Configurable ring tones
- Multiple security users and appearances

* IPv6 availability expected 2013.



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

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 v1Per
VoIP v1Per
JITC: VoIP v1Per
PSTN v1Per (approval pending)

Secure Dial

Transmit/Receive: Yes

VoIP Network Protocol Support

Cisco SCCP (Skinny Call Control Protocol)
SIP (Session Initiation Protocol)
IPv4, IPv6 (upgradeable)³

DHCP, DSCP, RTP, DNS, TFTP, HTTP, TCP, UDP, MoIP, E.164, SDP

SIP Info

Avaya SIP Server: Avaya Aura AS5300
Gateway: MG3000
NET SIP Server & Gateway platforms: VX900, VX1200, VX1800, VX400
REDCOM SIP Server & Gateway platforms: High Density Exchange (HDX•C), SLICE® 2100™

SCCP Info

Cisco Call Manager⁴
4.2(3)SR3 and higher recommended
Cisco Routers
2811, 2821, 2851, 2911, 2921, 2951 (requires IOS: 12.4(20)T1⁵ or higher)
3725, 3745 (IOS: 12.4(15)T8⁵ or higher recommended)
3825, 3845, 3925, 3945 (IOS: 12.4(20)T1⁵ or higher recommended)

Cisco Gateway Cards

NM-HDv2-1 (T1/E1)
NM-HDv2-2 (T1/E1)
VVIC2-1MFT (T1/E1)
VVIC2-2MFT (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 IPv6 availability expected 2013.

⁴ Use of this phone with a Cisco Call Manager System requires an additional license from Cisco.

⁵ Advanced Enterprise Services image required.

