Cisco® SPA508G

Full-featured 8-line business-class IP phone

Unsurpassed voice clarity and advanced phone features

The Cisco SPA508G is an 8-line business-class IP phone that enables calls of unprecedented quality. It supports a comprehensive range of features that ensures excellent performance for demanding offices.

The Cisco SPA508G features HD Voice* for unsurpassed voice and enhanced speaker quality with easy installation.

The Cisco SPA508G also delivers advanced capabilities and features. The phone supports eight lines, has a monochrome backlit display for ease of use, and is optimized for the demanding needs of small businesses.

The phone includes dedicated buttons for voicemail, mute, hold, speaker, headset, and other common functions. Users can expect the Cisco SPA508G to meet the needs of professionals and offices. For users who need to monitor presence, the phone can monitor up to 6 colleagues, and supports up to two Cisco SP500S Expansion Modules, adding up to 64 additional colleagues.

The Cisco SPA508G is also easy to install. Because of the built-in IEEE 8023af PoE circuitry and a dual-port Ethernet switch, users have access to flexible deployment options.

* HD Voice is available for RingCentral customers in selecting plans

RingCentral

Cisco SPA508G available with expansion modules

Turn your business phone into a high performance attendant console with this optimal solution for telephone attendants, receptionists, administrative assistants and secretaries.

- Monitors up to 32 additional users per expansion module

- Augments user interface

- Creates a high performance productivity enhancing solution with host phone

- Add or remove from host phone at any time

SPA508G + 1 SPA500S Expansion Module

SPA508G + 2 SPA500S Expansion Modules

Features and Specifications

Lines

- 8 lines

Display

- Pixel-based display: 128 x 64 monochrome LCD graphical display with backlight

Feature Keys

- Dedicated illuminated buttons for:
  - » Audio mute on/off
  - » Headset on/off
  - » Speakerphone on/off

- 4-way rocking directional knob for menu navigation

- Dedicated hold button

- Settings button for access to feature, setup, and configuration menus

- Volume control rocking up/down knob controls handset, headset, speaker, ringer

- Standard 12-button dialing pad

Voice Gateway

- SIP version 2 (RFC 3261, 3262, 3263, 3264)

- SIP proxy redundancy: dynamic via DNS SRV, A records

- Reregistration with primary SIP proxy server SIP support in NAT networks (including STUN)

- SIPFrag (RFC 3420)

- Codec name assignment

- Voice algorithms:
  - » G.711 (A-law and -law)
  - » G.726 (16/24/32/40 kbps)
  - » G.729 A
  - » G.722

- Dynamic payload support

RingCentral

Features and Specifications continued

- Adjustable audio frames per packet
- Dual-tone multifrequency (DTMF), in-band
- Call progress tone generation
- Jitter buffer: adaptive
- Frame loss concealment
- Comfort Noise Generation (CNG)
- Voice activity detection (VAD) with silence suppression
- Attenuation/gain adjustments
  - » VMWIVoicemail waiting indicator, via NOTIFY, SUBSCRIBE
- Caller ID support (name and number)
- Third-party call control (RFC 3725)

Data Networking

- MAC address (IEEE 802.3)
- IPv4 (RFC 791)
- Address Resolution Protocol (ARP)
- DNS: A record (RFC 1706), SRV record (RFC 2782)
- Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)
- Internet Control Message Protocol (ICMP) (RFC 792)
- TCP (RFC 793)
- User Datagram Protocol (UDP) (RFC 768)
- Real-Time Transport Protocol (RTP) (RFC 1889, 1890)
- Real Time Control Protocol (RTCP) (RFC 1889)
- Differentiated Services (DiffServ) (RFC 2475)

- Type of service (ToS) (RFC 791, 1349)
- VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)
- Simple Network Time Protocol (SNTP) (RFC 2030)
- Cisco Discovery Protocol (CDP)
- Link Layer Discovery Protocol (LLDP)

Security Features

- Password-protected system, preset to factory default
- Password-protected access to administrator and user-level features
- HTTPS with factory-installed client certificate
- HTTP digest: encrypted authentication via MD5 (RFC 1321)

Power Supply

- Power supply is included
- DC output voltage: +5 VDC at 2.0A maximum
- Switching power adapter: 100-240V 50-60 Hz AC input

Physical Interface

- Two 10/100BASE-T RJ-45 Ethernet ports (IEEE 802.3)
- Handset: RJ-9 connector
- Built-in speakerphone and microphone
- Headset 2.5mm jack

Indicator Lights/LED

- Speakerphone on/off button with LED
- Headset on/off button with LED
- Mute button with LED
- Message waiting LED
- Operating Temperature
- Temperature: 32° ~ 104°F (0° ~ 40°C)
- Relative humidity: 5% to 95% noncondensing

Storage Temperature

- Temperature: –4° ~ 158°F (–20° ~ 70°C)
- Relative humidity: 5% to 95% noncondensing

Compliance

- FCC (Part 15, Class B) , UL, CE Mark, A-Tick

Package Contents

- Cisco SPA 508G 8-Line IP Phone, handset, and stand
- Handset cord
- RJ-45 Ethernet cable
- User guide
- Quick Tips reference card
- Power Adapter

Box Dimensions/Weight

- 8.42 x 8.35. x 1.73in. (214 x 212 x 44 mm)
- 2.00 lb (0.9 kg)

Warranty

- One year

Presence

- Monitor up to 6 users on the phone
- Monitor up to 70 users via optional expansion modules

Regulatory Compliance

- - FCC (Part 15, Class B), CE Mark, A-Tick, C-Tick, Telepermit, UL, CB