CISCO SPA 303 3-LINE IP PHONE
Basic and Affordable IP Phone for Business or Home Office

HIGHLIGHTS
• 3-line business-class IP phone
• Connects directly to an Internet telephone service provider or to an IP private branch exchange (PBX)
• Dual switched Ethernet ports, speakerphone, caller ID, call hold, conferencing, and more
• Easy installation and highly secure remote provisioning, as well as menu-based and web-based configuration

TELEPHONY FEATURES
• Three voice lines
• Pixel-based display: 128 x 64 monochrome graphical liquid crystal display (LCD)
• Line status: active line indication, name and number
• Menu-driven user interface
• Speakerphone
• Call hold
• Call waiting
• Caller ID name and number
• Outbound caller ID blocking
• Call transfer: attended and blind
• Three-way call conferencing with local mixing
• Multiparty conferencing via external conference bridge
• Automatic redial of last calling and last called numbers
• On-hook dialing
• Call forwarding: unconditional, no answer, and on busy
• Hot line and warm line automatic calling
• Call logs (60 entries each): made, answered, and missed calls
• Redial from call logs
• Personal directory with auto-dial (100 entries)
• Do not disturb
• Digits dialed with number auto-completion
• Support for Uniform Resource Identifier (URI) (IP) dialing (vanity numbers)
• On-hook default audio configuration (speakerphone and headset)
• Multiple ring tones with selectable ring tone per line

HARDWARE FEATURES
• Pixel-based display: 128 x 64 monochrome LCD graphical display
• Dedicated illuminated buttons for:
  • Audio mute on/off
  • Headset on/off
  • Speakerphone on/off
• Four-way rocking directional knob for menu navigation
• Voicemail message waiting indicator light
• Voicemail message retrieval button
• 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
• High-quality handset and cradle
• Built-in high-quality microphone and speaker
• Headset jack: 2.5 mm
• LED test function
• Two Ethernet LAN ports with integrated Ethernet switch: 10/100BASE-T RJ-45
• 5 VDC universal (100–240V) switching included
HIGHLIGHTS
- For business or home office use
- Full-featured 4-line business-class IP phone supporting Power over Ethernet (PoE)
- Monochrome backlit display for ease of use, aesthetics, and on-screen applications
- Connects directly to an Internet telephone service provider or to an IP private branch exchange (PBX)
- Dual switched Ethernet ports for connecting a computer behind the phone, reducing cabling costs
- Wideband audio for unsurpassed voice clarity and enhanced speaker quality
- Easy installation and highly secure remote provisioning, as well as menu-based and web-based configuration

TELEPHONY FEATURES
- Four voice lines
- Line status: active line indication, with name and number
- Menu-driven user interface
- Speakerphone
- Call hold
- Call waiting
- Caller ID name and number
- Outbound caller ID blocking
- Call transfer: attended and blind
- Three-way call conferencing with local mixing
- Multipart conferencing via external conference bridge
- Automatic redial of last calling and last called numbers
- On-hook dialing
- Call forwarding: unconditional, no answer, on busy
- Call logs (60 entries each): made, answered, and missed calls
- Redial from call logs
- Personal directory with auto-dial (100 entries)
- Do not disturb
- Digits dialed with number auto-completion
- On-hook default audio configuration (speakerphone and headset)
- Multiple ring tones with selectable ring tone per line
- Called number with directory name matching
- Ability to call number using name: directory matching or via caller ID
- Subsequent incoming calls show calling name and number
- Date and time with support for intelligent daylight savings
- Call start time stored in call logs
- Call timer
- Name and identity [text] displayed at startup
- Distinctive ringing based on calling and called number
- 10 user-downloadable ring tones
- Speed dialing, eight entries
- Configurable dial/numbering plan support
- Network Address Translation (NAT) Traversal, including Simple Traversal of UDP Through NATs (STUN) support
- DNS SRV and multiple A records for proxy lookup and proxy redundancy
- Syslog, debug, report generation, and event logging
- Highly secure call encrypted voice communications support
- Built-in web server for administration and configuration with multiple security levels
- Automated remote provisioning, multiple methods; up to 256-bit encryption (HTTP, HTTPS, Trivial File)
- Option to require administrator password to reset unit to factory defaults

HARDWARE FEATURES
- Pixel-based display: 128 x 64 monochrome LCD graphical display with backlight
- Dedicated illuminated buttons for:
  - Audio mute on/off
  - Headset on/off
  - Speakerphone on/off
- 4-way rocking directional knob for menu navigation
- Voicemail message waiting indicator (VMWI) light
- Voicemail message retrieval button
- 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
- High-quality handset and cradle
- Built-in high-quality microphone and speaker
- Headset jack: 2.5 mm
- LED test function
- Two Ethernet ports with integrated Ethernet switch: 10/100BASE-T RJ-45
- 802.3af-compliant PoE
- Optional 5 VDC universal (100-240V) switching; power supply is ordered separately (Cisco PA100)
CISCO SPA525G2 5-LINE IP PHONE
5-Line Business IP Phone with Enhanced Connectivity and Media for a New Level of User Experience

HIGHLIGHTS

- Full-featured and stylish business IP phone supporting up to two Cisco® SPA500S Expansion Modules (32 button attendant consoles)
- Cisco Mobile Link: Bluetooth enhanced integration with mobile phones to make and receive calls, import your personal contacts, and charge your mobile phone
- Enhanced network connectivity with Power over Ethernet (PoE), 802.11g Wi-Fi client with Wi-Fi Protected Setup (WPS), and Bluetooth headset support
- Graphics-rich, high-resolution 3.2-inch QVGA 320 x 240 color screen
- Support for multimedia functions, such as playing MP3s, displaying digital photos, and viewing RSS feeds

FEATURES

- Lighted line keys
- Hold key
- Voicemail key
- Menu key
- Lighted mute key
- Lighted headset key
- Lighted speakerphone key
- Lighted message waiting indicator
- Color 3.2-in. QVGA (320 x 240 pixels) backlit LCD graphical display
- 5-way navigational buttons
- 4 soft-key buttons
- Wi-Fi 802.11b/g, Wi-Fi Multimedia (WMM) (802.11e)
- Wi-Fi security
  - Wired Equivalent Privacy (WEP), 64 or 128 bit
  - Wi-Fi Protected Access (WPA), Personal and Enterprise
  - WPA2, Personal and Enterprise
  - Wi-Fi Protected Setup (WPS)
- Ethernet switch
- Volume control
- Applications
  - Customizable screen saver on phone display [Photo Album]
  - Music player (MP3)
  - RSS web services
  - Lightweight Directory Access Protocol (LDAP) and Cisco XML-based corporate directory support

HARDWARE FEATURES

- Call hold
- Call waiting
- Caller ID name and number and outbound caller ID blocking
- Caller ID mapping for incoming calls
- Outbound caller ID blocking
- Call transfer - attended or blind
- Call conferencing - hosted (N-party) or local (3-party)
- Call forwarding - unconditional, no answer, on busy
- Visual voice message waiting indicator (VMWI)
- Call back on busy
- Do not disturb
- Configurable dial/numbering plan support with inter-digit timers - per line
- URL (IP) dialing support
- Distinctive ringing based on calling and called number
- Supplementary services feature activation codes
- Supplementary services announcements codes
- Configurable supplementary services soft keys
- Individual volume setting per audio path [headset/handset/speaker]
POLYCOM SOUNDPOINT IP 335
High Definition IP Phone

LINES (DIRECT NUMBERS)
• Up to 2 lines with up to 8 simultaneous calls total

DISPLAY
• 102 x 33 pixel backlit grayscale graphical LCD
• LED backlight with custom intensity control
• Message Waiting Indicator (MWI) LED

FEATURE KEYS
• 3 context-sensitive “soft” keys
• 2 line keys with bi-color [red/green] LED
• 2 feature keys (“Menu” and “Dial”)
• 4-way navigation key cluster with center “Select” key
• 2 volume control keys
• Dedicated hold key
• Dedicated headset key
• Dedicated hands-free speakerphone key
• Dedicated microphone mute key
• Optional Messages Key

HEADSET AND HEARING AID COMPATIBILITY
• Dedicated RJ-9 headset port
• Compliant with ADA Section 508

RECOMMENDATIONS:
SUBPART B 1194.23 (ALL)
• Hearing Aid Compatible (HAC) handset for magnetic coupling to TIA 504-A and ITU P.370 standards
• Compatible with commercially available TTY adapter equipment

AUDIO FEATURES
• Full-duplex hands-free speakerphone
• Codecs: G.722 (wideband), G.711 μ/A, G.729A (Annex B) and iLBC
• Individual volume settings with visual feedback for each audio path
• Voice activity detection
• Comfort noise fill
• DTMF tone generation/DTMF event RTP payload
• Acoustic echo cancellations
• Background noise suppression

CALL HANDLING FEATURES
• Call timer
• Call transfer, hold, divert (forward)
• Local three-way conferencing
• Call waiting
• Do not disturb function

OTHER FEATURES
• Local feature-rich GUI
• Time and date display
• User-configurable contact directory and call history (missed, placed and received)
• Wave file support for call progress tones
• Unicode UTF-8 character support. Multilingual user interface encompassing Danish, Dutch, English (Canada/US/UK), French, German, Italian, Norwegian, Polish, Russian, Slovenian, Spanish, Swedish

NETWORK AND PROVISIONING
• Two 10/100 Mbps Ethernet ports
• Manual or dynamic host configuration protocol (DHCP) network setup
• Time and date synchronization using SNTP
• Provisioning and call server redundancy supported
• Network Address Translation (NAT) support for static configuration and “Keep-Alive” SIP signaling
• Local digit map

SECURITY
• Password login
• Support for URL syntax with password for boot server

POWER
• Built-in, auto-sensing IEEE 802.3af Power Over Ethernet (Class2)
• External universal input AC adapter (optional; 24V DC@500mA)
POLYCOM® SOUNDPOINT® IP 450
Three-line desktop phone featuring productivity enhancing applications through a high-resolution, graphical backlit display.

SPECIFICATIONS
• Up to 3 lines with up to 8 concurrent calls per line

DISPLAY
• 256 x 116 pixel backlit grayscale graphical LCD
• LED backlight with custom intensity control

FEATURE KEYS
• 4 context-sensitive “soft” keys
• 17 dedicated “hard” keys
• 3 line keys with bi-color [red/green] LED
• 3 feature keys
• 5 display/menu navigation keys
• 2 volume control keys
• Mute, headset and hands-free speakerphone keys
• Dedicated hold key

HEADSET AND HEARING AID COMPATIBILITY
• Dedicated RJ-9 headset port
• Amplified headsets are recommended
• Compliant with ADA Section 508

AUDIO FEATURES
• Full-duplex hands-free speakerphone
• Codecs: G.722 (wideband), G.711 μ/A, G.729A (Annex B) and iLBC
• Individual volume settings with visual feedback for each audio path
• Voice activity detection
• Comfort noise fill
• DTMF tone generation/DTMF event RTP payload
• Background noise suppression

CALL HANDLING FEATURES
• Call timer
• Call transfer, hold, divert [forward],
• Called, calling, connected party information
• Local three-way conferencing
• Call waiting
• Do not disturb function

OTHER FEATURES
• Local feature-rich GUI
• Time and date display
• User-configurable contact directory and call history (missed, placed, and received)
• Customizable call progress tones
• Wave file support for call progress tones
• Unicode UTF-8 character support. Multilingual user interface encompassing Chinese, Danish, Dutch, English [Canada/US/UK], French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish

NETWORK AND PROVISIONING
• Two-port 10/100 Mbps Ethernet switch
• Manual or dynamic host configuration protocol (DHCP) network setup
• Time and date synchronization using SNTP
• Provisioning server redundancy supported
• Web portal for individual unit configuration
• Network Address Translation (NAT) support – static
• RTCP support (RFC 1889)
• Event logging
• Local digit map

SECURITY
• Password login
• Support for URL syntax with password for boot server

POWER
• Built-in, auto-sensing IEEE 802.3af Power over Ethernet [Class 2]
• External Universal AC adapter (24VDC/12W)
POLYCOM® SOUNDPOINT® IP 650

Delivering revolutionary voice quality, an advanced feature set, and the expandability to support SoundPoint IP Expansion Modules

LINES (DIRECT NUMBERS)
- Up to six lines (standalone mode)
- Up to 34 lines with Expansion Module(s)

SOUNDPOINT IP EXPANSION MODULE SUPPORT
- Supports up to three Expansion Module

DISPLAY
- 320 x 160 backlit grayscale graphical LCD
- White LED backlight with custom intensity control

FEATURE KEYS
- 4 context-sensitive “soft” keys
- 26 dedicated “hard” keys
- 6 line keys with bi-color (red/green) LED
- 8 feature keys
- 6 display/menu navigation keys
- 2 volume control keys
- Illuminated mute key
- Illuminated headset key
- Illuminated hands-free speakerphone key
- Dedicated hold key

HEADSET AND HEARING AID COMPATIBILITY
- Dedicated RJ-9 headset port
- Amplified headsets are recommended
- Compliant with ADA Section 508

AUDIO FEATURES
- Full-duplex hands-free speakerphone
- Individual volume settings with visual feedback for each audio path
- Voice activity detection
- Comfort noise fill
- Adaptive jitter buffers
- Acoustic echo cancellation
- Background noise suppression

CALL HANDLING FEATURES
- Shared call/bridged line appearance
- Flexible line appearance (one or more line keys can be assigned for each line extension)
- Busy Lamp Field (BLF)
- Distinctive incoming call treatment/call waiting
- Call timer
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected party information
- Local three-way conferencing
- One-touch speed dial, redial
- Call waiting
- Do not disturb function

OTHER FEATURES
- Clients Universal Serial Bus [USB]
  - Full Host Controller
  - Compliant with OHCI 1.1 specification
  - Support for Full-speed and Low-speed peripherals
  - Type-A receptacle interface
- Local feature-rich GUI
- Time and date display
- User-configurable contact directory and call history (missed, placed, and received)
- Customizable call progress tones
- Wave file support for call progress tones
- Unicode UTF-8 character support. Multilingual user interface encompassing Chinese, Danish, Dutch, English (Canada/US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish

NETWORK AND PROVISIONING
- Two-port 10/100 Mbps Ethernet switch
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- Provisioning server redundancy supported
- Web portal for individual unit configuration
- Network Address Translation [NAT] support – static
- RTCP support (RFC 1889)
- Event logging
- Local digit map

SECURITY
- Password login
- Support for URL syntax with password for boot server

POWER
- Built-in, auto-sensing IEEE 802.3af Power over Ethernet
- External Universal AC adapter (included 48V DC)
POLYCOM® SOUNDSTATION® IP 6000
Next-generation IP conference phone designed for small to midsize rooms

POWER
- IEEE 802.3af Power over Ethernet (built in)
- Optional external universal AC power supply: 100-240V, 0.4A, 48V/19W

DISPLAY
- Size (pixels): 248 x 68 (W x H)
- White LED backlight with custom intensity control

KEYPAD
- Standard 12-key keypad
- Context-dependent soft keys: 3
- On-hook/Off-hook, redial, mute, volume up/down

AUDIO FEATURES
- Loudspeaker
- Frequency: 220-14,000 Hz
- Volume: Adjustable to 86 dB at 1/2 meter peak volume
- Individual volume settings with visual feedback for each audio path
- Voice activity detection
- Comfort noise fill
- DTMF tone generation / DTMF event RTP payload
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment
- Acoustic echo cancellation
- Background noise suppression
- Supported Codecs
  - G.711 (A-law and Mu-law)
  - G.729a (Annex B)
  - G.722, G.722.1
  - G.722.1C
  - Siren 14

CALL HANDLING FEATURES
- Distinctive incoming call treatment / call waiting
- Call timer
- Local three-way conferencing
- One-touch speed dial, redial
- Call waiting
- Automatic off-hook call placement
- Do not disturb function

OTHER FEATURES
- Local feature-rich GUI
- Time and date display
- User-configurable contact directory and call history (missed, placed, and received)
- Customizable call progress tones
- Wave file support for call progress tones
- Unicode UTF-8 character support. Multilingual user interface encompassing Simplified Chinese, Danish, Dutch, English [Canada /US / UK], French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish

NETWORK AND PROVISIONING
- Ethernet 10/100 Base-T
- 2.5mm connection port
- EX mic ports: Two RJ-9 ports
- IP Address Configuration: DHCP and Static IP
- Time synchronization with SNTP server
- FTP / TFTP / HTTP / HTTPS server-based central provisioning for mass deployments. Provisioning server redundancy supported.
- Web portal for individual unit configuration
- QoS Support -- IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP
- Network Address Translation (NAT) support - static
- RTCP support (RFC 1889)
- Event logging
- Local digit map
- Hardware diagnostics
- Status and statistics
- User selectable ringer tones
- Convenient volume adjustment keys
POLYCOM® SOUNDSTATION® IP 7000
SIP-Based IP Conference Phone

FEATURES/BENEFITS

• Equipped with built-in Power over Ethernet (PoE). An optional A/C power kit also available.
• 20-foot microphone pickup, and even more with optional expansion microphones or multi-unit connectivity, reaching all corners of the room.
• Automatic Gain Control intelligently adjusts the microphone sensitivity based on where participants are seated in the conference room.
• Features technology that resists interference from mobile phones and other wireless devices, delivering clear communications without distractions.
• Built-in 2.5mm applications port allows you to connect the conference phone to a mobile phone for productive calls even where no network connection is available, or to a computer for calls using PC-based soft phone clients.

POWER

• IEEE 802.3af Power over Ethernet (built in)
• Optional external universal AC power supply: 100-240V, 1.5A, 48V/50W

DISPLAY

• Size (pixels): 255 x 128 (W x H)
• White LED backlight with custom intensity control

KEYPAD

• Standard 12-key keypad
• Context-dependent soft keys: 4
• On-hook/Off-hook, redial, mute, volume up/down
• Directional navigation wheel

AUDIO FEATURES

• Loudspeaker
  • Frequency: 160-22,000 Hz
  • Volume: Adjustable to 88 dB at 1/2 meter peak volume
• Full-duplex: Type 1 compliant with IEEE 1329 full duplex standards
• Individual volume settings with visual feedback for each audio path
• Voice activity detection
• Comfort noise fill
• DTMF tone generation / DTMF event RTP payload
• Low-delay audio packet transmission
• Adaptive jitter buffers
• Packet loss concealment
• Acoustic echo cancellation
• Background noise suppression
• Supported Codecs
  • G.711 (A-law and Mu-law)
  • G.729a (Annex B)
  • G.722, G.722.1
  • G.722.1C
  • Siren 14
  • Siren 22

CALL HANDLING FEATURES

• Distinctive incoming call treatment / call waiting
• Call timer
• Call transfer, hold, divert (forward), pickup
• Called, calling, connected party information
• Local three-way conferencing
• One-touch speed dial, redial
• Call waiting
• Automatic off-hook call placement
• Do not disturb function

OTHER FEATURES

• Local feature-rich GUI

TIME AND DATE DISPLAY

• User-configurable contact directory and call history (missed, placed, and received)
• Customizable call progress tones
• Wave file support for call progress tones
• Unicode UTF-8 character support. Multilingual user interface encompassing Chinese, Danish, Dutch, English (Canada / US / UK), French, German, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish

NETWORK AND PROVISIONING

• Ethernet 10/100 Base-T
• 2.5mm connection port
• USB ports: Mini and regular USB 1.1 (not active at launch)
• EX mic ports: Two Walta ports
• IP Address Configuration: DHCP and Static IP
• Time synchronization with SNTP server
• FTP / TFTP / HTTP / HTTPS server-based central provisioning for mass deployments. Provisioning server redundancy supported.
• Web portal for individual unit configuration
• QoS Support -- IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP
• Network Address Translation (NAT) support - static
• RTCP support (RFC 1889)
• Event logging
• Local digit map
• Hardware diagnostics
• Status and statistics
• User selectable ringer tones
• Convenient volume adjustment keys

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