Cisco SPA504G IP Phone



Product Name: Cisco SPA504G IP Phone
Manufacturer: -
Model Number: SPA-504G

Please Note: This product has been discontinued. Please see the Cisco IP Phone range for an alternative.

Please Note: The Cisco SPA504G IP Phone is PoE (Powered-Over-Ethernet) and does not include a mains Power Supply. If mains power is required, this can be added via the drop down menu above.

Cisco SPA 504G IP Phone
The Cisco SPA504G is business-class, IP Phone that is full-featured, with 4-Lines and a backlit graphical display. The SPA 504G has been tested to ensure comprehensive interoperability with equipment from voice over IP infrastructure leaders and is perfect for small businesses. This enables service providers to produce competitive, feature-rich services and release them to their customers.
Cisco SPA 504G IP Phone Key Features

ï¿½ Full-featured 4-line business-class IP phone supporting Power over Ethernet (PoE)
ï¿½ Excellent sound quality with Cisco HD Voice
ï¿½ Backlit graphical display
ï¿½ Full Duplex Speakerphone
ï¿½ Headset jack
ï¿½ Functions include call transfer, call park, 3-way conferencing
ï¿½ Compatible with expansion modules

Carrier-Grade Security, Provisioning, and Management
The Cisco SPA504G uses standard encryption protocols to perform highly secure remote provisioning and unobtrusive in-service software upgrades. Remote provisioning tools include detailed performance measurement and troubleshooting features, enabling network providers to deliver high-quality support to their subscribers. Remote provisioning also saves service providers the time and expense of managing, preloading, and reconfiguring customer premises equipment.
Comprehensive Interoperability and SIP-Based Feature Set
With hundreds of features and configurable service parameters, the Cisco SPA 504G IP Phone addresses the requirements of traditional business users while building on the advantages of IP telephony. Features such as easy station moves and shared line appearances (across local and geographically dispersed locations) are just some of the many advantages of the Cisco SPA 504G IP Phone. The Cisco SPA 504G IP Phone also supports productivity-enhancing features such as VoiceView Express and Cisco XML applications when used with the Cisco Unified Communications 500 Series in SPCP mode.
Note: Please refer to the Cisco VoIP Detailed Comparison Table for more information.

Cisco SPA 504G VoIP Phone Technical Specifications
Telephony Features

ï¿½ Four Independent SIP Registrations
ï¿½ Line status: active line indication, with name and number
ï¿½ Speakerphone
ï¿½ Call hold
ï¿½ Music on hold
ï¿½ Call waiting

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ï¿½ Caller ID name and number
ï¿½ Outbound caller ID blocking
ï¿½ Call transfer: attended and blind
ï¿½ Three-way call conferencing with local mixing
ï¿½ Multiparty conferencing via external conference bridge
ï¿½ Automatic redial of last calling and last called numbers
ï¿½ Call pickup: selective and group
ï¿½ Call back on busy
ï¿½ Call blocking: anonymous and selective
ï¿½ Call forwarding: unconditional, no answer, on busy
ï¿½ Hot line and warm line automatic calling
ï¿½ Call logs (60 entries each): made, answered, and missed calls
ï¿½ Redial from call logs
ï¿½ Personal directory with auto-dial (100 entries)
ï¿½ Do not disturb
ï¿½ Subsequent incoming calls show calling name and number
ï¿½ Date and time with support for intelligent daylight savings
ï¿½ Call start time stored in call logs
ï¿½ Call timer
ï¿½ Name and identity (text) displayed at startup
ï¿½ Distinctive ringing based on calling and called number
ï¿½ 10 user-downloadable ring tones
ï¿½ Speed dialling, eight entries
ï¿½ Configurable dial/numbering plan support
ï¿½ Automated remote provisioning, multiple methods; up to 256-bit encryption (HTTP, HTTPS, Trivial File Transfer Protocol [TFTP])

Hardware Features

ï¿½ Pixel-based display: 128 x 64 monochrome LCD graphical display with backlight
ï¿½ Dedicated illuminated buttons for:, Audio mute on/off, Headset on/off, Speakerphone on/off
ï¿½ 4-way rocking directional knob for menu navigation
ï¿½ Voicemail message waiting indicator (VMWI) light
ï¿½ Voicemail message retrieval button
ï¿½ Dedicated hold button
ï¿½ Settings button for access to feature, setup, and configuration menus
ï¿½ Volume control rocking up/down knob controls handset, headset, speaker, ringer
ï¿½ Standard 12-button dialling pad
ï¿½ High-quality handset and cradle
ï¿½ Built-in high-quality microphone and speaker
ï¿½ Headset jack: 2.5 mm
ï¿½ LED test function
ï¿½ Two Ethernet ports with integrated Ethernet switch: 10/100BASE-T RJ-45
ï¿½ 802.3af-compliant PoE
ï¿½ Optional 5 VDC universal (100-240V) switching; power supply is ordered separately (Cisco PA100)

Data Networking

ï¿½ MAC address (IEEE 802.3)
ï¿½ IPv4 (RFC 791)
ï¿½ Address Resolution Protocol (ARP)
ï¿½ DNS: A record (RFC 1706), SRV record (RFC 2782)
ï¿½ Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)
ï¿½ Internet Control Message Protocol (ICMP) (RFC 792)

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ï¿½ TCP (RFC793)
ï¿½ User Datagram Protocol (UDP) (RFC 768)
ï¿½ Real-Time Transport Protocol (RTP) (RFC 1889, 1890)
ï¿½ Real-Time Control Protocol (RTCP) (RFC 1889)
ï¿½ Differentiated Services (DiffServ) (RFC 2475)
ï¿½ Type of service (ToS) (RFC 791, 1349)
ï¿½ VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)
ï¿½ Simple Network Time Protocol (SNTP) (RFC 2030)

Voice Gateway

ï¿½ SIP version 2 (RFC 3261, 3262, 3263, 3264)
ï¿½ SPCP with the Cisco Unified Communications 500 Series
ï¿½ SIP proxy redundancy: dynamic via DNS SRV, A records
ï¿½ Reregistration with primary SIP proxy server
ï¿½ SIP support in NAT networks (including STUN)
ï¿½ SIPFrag (RFC 3420)
ï¿½ Secure (encrypted) calling via SRTP
ï¿½ Codec name assignment
ï¿½ Voice algorithms: G.711 (A-law and µ-law), G.726 (16/24/32/40 kbps), G.729 A, G.722
ï¿½ Dynamic payload support
ï¿½ Adjustable audio frames per packet
ï¿½ Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)
ï¿½ Flexible dial plan support with interdigit timers
ï¿½ IP address/URI dialling support
ï¿½ Call progress tone generation
ï¿½ Jitter buffer: adaptive
ï¿½ Frame loss concealment
ï¿½ Comfort Noise Generation (CNG)
ï¿½ Voice activity detection (VAD) with silence suppression
ï¿½ Attenuation/gain adjustments
ï¿½ Message waiting indicator (MWI) tones
ï¿½ VMWI via NOTIFY, SUBSCRIBE
ï¿½ Caller ID support (name and number)
ï¿½ Third-party call control (RFC 3725)

Provisioning, Administration and Maintenance

ï¿½ Integrated web server provides web-based administration and configuration
ï¿½ Telephone keypad configuration via display menu/navigation
ï¿½ Automated provisioning and upgrade via HTTPS, HTTP, TFTP
ï¿½ Asynchronous notification of upgrade availability via NOTIFY
ï¿½ Nonintrusive in-service upgrades
ï¿½ Report generation and event logging
ï¿½ Statistics transmitted in BYE message
ï¿½ Syslog and debug server records: configurable per line

Power Supply

ï¿½ Power supply is optional and is purchased separately
ï¿½ Models: Cisco PA100-NA, PA100-EU, PA100-UK, PA100-AU
ï¿½ DC output voltage: +5 VDC at 2.0A maximum
ï¿½ Switching power adapter: 100-240V 50-60 Hz AC input

Physical Interfaces

Cisco SPA504G IP Phone

ï¿½ Two 10/100BASE-T RJ-45 Ethernet ports (IEEE 802.3)
ï¿½ Handset: RJ-9 connector
ï¿½ Built-in speakerphone and microphone
ï¿½ Headset 2.5-mm port

Security Features

ï¿½ Password-protected system, preset to factory default
ï¿½ Password-protected access to administrator and user-level features
ï¿½ HTTPS with factory-installed client certificate
ï¿½ HTTP digest: encrypted authentication via MD5 (RFC 1321)
ï¿½ Up to 256-bit Advanced Encryption Standard (AES) encryption
ï¿½ SIP over Transport Layer Security (TLS)
ï¿½ Secure Real-Time Transport Protocol (SRTP)

Package Contents

ï¿½ Cisco SPA 504G IP Phone, handset, and stand
ï¿½ Handset Cord
ï¿½ RJ-45 Ethernet cable
ï¿½ Quick-Start Guide
ï¿½ CD

Physical

ï¿½ Body Dimensions (W x H x D): 8.42 x 8.35. x 1.73 in. (214 x 212 x 44 mm)
ï¿½ Unit Weight: 2.00 lb (0.9kg)
ï¿½ Operating Temperature: 32º ~ 104ºF (0º ~ 40ºC)
ï¿½ Storage Temperature: -4º ~ 158ºF (-20º ~ 70ºC)
ï¿½ Operating Humidity: 5% to 95% noncondensing
ï¿½ Storage Humidity: 5% to 95% noncondensing

Regulatory Compliance

ï¿½ FCC (Part 15, Class B)
ï¿½ CE Mark
ï¿½ A-Tick
ï¿½ C-Tick
ï¿½ Telepermit
ï¿½ UL
ï¿½ CB

Please Enquire

Options available for Cisco SPA504G IP Phone :

Power Supply Required

Cisco PSU PA100 (+£13.00), Not Required.