Cisco SPA502G IP Phone

Product Name: Cisco SPA502G IP Phone
Manufacturer: -
Model Number: SPA-502G

Please Note: The Cisco SPA-502G IP Phone has. been discontinued. Please see our latest Cisco IP Phone ranges for alternatives.

Please Note: The Cisco SPA-502G 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 SPA502G 1-Line IP Phone with Display, PoE and PC Port
The Cisco SPA502G is an IP Phone perfect for small businesses with great features such as 1-line, ability to support Power over Ethernet and a monochrome backlit display for ease of use. The SPA502G has been tested to ensure it is fully compatible with equipment from voice over IP (VoIP) infrastructure leaders, meaning feature rich services can be administered quickly.
Cisco SPA502G Key Features

ï¿½ Full-featured 1-line business-class IP phone supporting Power over Ethernet (PoE)
ï¿½ Supports up to two Cisco SPA500S Expansion Module, adding up to 64 additional buttons
ï¿½ Monochrome backlit display for ease of use, aesthetics, and on-screen applications
ï¿½ Connects directly to an Internet telephone service provider or to an IP private branch exchange (PBX)
ï¿½ For business or home office use
ï¿½ Dual switched Ethernet ports for connecting a computer behind the phone, reducing cabling costs
ï¿½ Wideband audio for unsurpassed voice clarity and enhanced speaker quality
ï¿½ Easy installation and highly secure remote provisioning, as well as menu-based and web-based configuration
ï¿½ Dependable, Affordable and Feature Rich
ï¿½ Supports both Session Initiation Protocol (SIP) and Smart Phone Control Protocol (SPCP) with the Cisco Unified Communications 500 Series for Small Business

Carrier-Grade Security, Provisioning, and Management
The Cisco SPA 502G IP Phone 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
One of the many advantages of the Cisco SPA 502G IP Phone is that it features easy station moves and shared line appearances (across local and geographically dispersed locations).
The Cisco SPA502G IP Phone also supports productivity-enhancing features such as VoiceView Express and Cisco XML applications when used with Cisco Unified Communications 500 Series in SPCP mode.
Note: Please refer to the Cisco VoIP Detailed Comparison Table for more information.
Cisco SPA 502G IP Phone Technical Specifications
Telephony Features

Cisco SPA502G IP Phone

ï¿½ One voice line
ï¿½ One SIP registration
ï¿½ Line status: active line indication, with name and number
ï¿½ Menu-driven user interface
ï¿½ Shared line appearance
ï¿½ Speakerphone
ï¿½ Call hold
ï¿½ Music on hold
ï¿½ Call waiting
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 On-hook dialing
ï¿½ Call pickup: selective and group
ï¿½ Call park and unpark
ï¿½ Call swap
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 Digits dialled with number auto-completion
ï¿½ Anonymous caller blocking
ï¿½ Uniform Resource Identifier (URI) (IP) dialling support (vanity numbers)
ï¿½ On-hook default audio configuration (speakerphone and headset)
ï¿½ Multiple ring tones
ï¿½ Called number with directory name matching
ï¿½ Ability to call number using name: directory matching or via caller ID
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 Intercom
ï¿½ Group Paging
ï¿½ Network Address Translation (NAT) Traversal, including Simple Traversal of UDP Through NATs (STUN) support
ï¿½ DNS SRV and multiple A records for proxy lookup and proxy redundancy
ï¿½ Syslog, debug, report generation, and event logging
ï¿½ Highly secure call encrypted voice communications support
ï¿½ Built-in web server for administration and configuration with multiple security levels
ï¿½ Automated remote provisioning, multiple methods; up to 256-bit encryption (HTTP, HTTPS, Trivial File Transfer Protocol [TFTP])
ï¿½ Option to require administrator password to reset unit to factory defaults

Cisco SPA502G IP Phone

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)
ï¿½ TCP (RFC 793)
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

Cisco SPA502G IP Phone

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 VMWI - Voicemail Waiting Indicator, 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 Switching type (100-240V) automatic
ï¿½ DC output voltage: +5 VDC at 2.0A maximum
ï¿½ Power adapter: 100-240V 50-60 Hz (26-34 VA) AC input

Physical Interfaces

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 2.5mm jack

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 502G IP Phone, handset, and stand
ï¿½ Handset cord
ï¿½ RJ-45 Ethernet cable
ï¿½ Quick-Start Installation

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 (0.9 kg)

Cisco SPA502G IP Phone

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 SPA502G IP Phone :

Power Supply Required

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