

IP-PBX

- 80 Concurrent Calls(Licensable to 100 Session), 1,000+ Users
- IVR/Voice Mail/Fax/Recording/CDR/NAT Transverse
- High Level of Integrated Security Like SBC(SRTP, TLS & HTTPS)
- Seamless Interoperability With PSTN: E1/T1/FXO/FXS/Wireless
- Built-in Server (Optional) to Run Any Third-Party Applications



The UC500H is a Hybrid IP-PBX appliance designed to bring enterprise-grade unified communications and security protection to all levels of businesses at an unparalleled price point without any licensing fees, costs-per-feature, or recurring fees. The UC500H enables enterprises to unify multiple communication technologies in hybrid PSTN and VoIP networks, such as comprehensive voice, fax, calling, conferencing, video/audio surveillance, data tools, security surveillance, mobility, and facility access management into one commonly managed or accessible network.

With an advanced hardware platform, dual power supply and software functionalities, the UC500H can support up to 1,000 registered users and offer effortless setup and deployment via the web-browser user interface. Besides auto-discovery of diverse endpoints and auto-provisioning, the UC500H series offers a set of comprehensive features, including customizable call-routing, multi-level IVRs, call queues, auto-attendant, call detail records (CDR), multi-site peering, voicemail/fax forwarding to email and more.

Key Features

- Supports up to 500 users, 100 SIP trunk accounts, up to 100 concurrent calls, 50 conference attendees
- Integrated modular design: interface with T1/E1/FXO/FXS/GSM/WCDMA/VoLTE
- Supports up to a limitless-level IVR (Interactive Voice Response)
- Built-in call recording server; recordings accessed via web user interface
- Supports call queue for efficient call volume management
- Built-in Call Detail Records (CDR) for tracking phone usage by line, date, etc.
- Supports voicemail and fax forwarding to email
- Integrated LDAP and XML phonebooks, flexible dial plan
- Zero configuration provisioning of Mainstream SIP endpoints
- Highest level of security protection using SRTP, TLS and HTTPS encryption
- Hi-speed network ports with Integrated NAT router and built-in firewall
- Multi-language auto-attendant to efficiently handle incoming calls
- 1.5GHz ARM Quad-core processor, 2GB DDR RAM, 16GB EMMC Flash
- Optional industrial servers to run any add-on third-party applications

Unique Selling Points



Hi-Interoperability with Network

UC500H has the super NAT network adaptability. In the system deployment, the remote SIP extension registered to the UC500H need not any NAT traversal setting.



Excellent Compatibility

Without NAT traversal setting, UC500H could be compliant with other mainstream SIP endpoints or components with changeable IP addresses, which effectively reduces complexity of configuration.



Intelligent Resource Allocation

UC500H optimizes system resource utilization and system efficiency via stochastic algorithm, effectively minimizing hitting over processor resource and improving reliability in any scenarios.



High User-Friendliness

UC500H leverages autoclip intelligent inbound routing mechanism. With call records, UC 500H can intelligently match inbound call number with historic called one in autoclip. Moveable extension, call forwarding, DND, etc are available.



Multiple High-Security Modes

Multiple security mechanisms in UC500H are available, including password, ACL, data filtering, etc. Besides, outbound routing, DISA, conference, voice mail and other applications support PIN code setting to customize dynamic firewall.



Flexible Surveillance

UC500H adapts flexible multiple-layer monitoring modes to protect privacy at maximum level and ensure high-level of security and reliability in most conditions.

Technical Specifications

Interfaces

Analog Telephone FXS Ports	16 ports (both with lifeline capability in case of power outage)
PSTN Line FXO Ports	16 ports (UC500H)
Wireless Ports	8 ports (GSM/WCDMA/VoLTE)
Digital Trunking	1/2/4E1/T1 (PRI ISDN/SS7)
Network Interfaces	Dual (UC500H) 100/1000M RJ45 ports
NAT Router	Yes (UC500H)
Peripheral Ports	USB, TF
LED Indicators	Power/Ready, Network, PSTN Line, USB, TF
Reset Switch	Yes

Voice/Video Capabilities

Voice-over-Packet Capabilities	LEC with NLP Packetized Voice Protocol Unit, 32~128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer
Voice and Fax Codecs	G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, GSM, AAL2-G.726-32; T.38
Video Codecs	H.264, H.263, H263+
QoS	Multiple Layers

Signaling & Control

DTMF Methods	In Audio, RFC2833, and SIP INFO
Provisioning Protocol & Plug-and-Play	TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of various IP endpoints with no Configuration
Network Protocols	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP(RFC3261), STUN, SRTP, TLS, LADP
Disconnect Methods	Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone

Security

Media Encryption	SRTP, TLS, HTTPS, TELNET with Fail2ban, Whitelist, Blacklist, alerts and more to protect against attacks
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Physical

Power Supply	Output: 12VDC, 2A; Input: 100 ~ 240VAC, 50 ~ 60Hz
Dimensions	UC500H: 430mm L x 483mm W x 88mm H
Weight	UC500H: About 8.8Kg (Weight varies with diverse internal TDM modules)
Environmental	Operating: 32 ~ 113°F / 0 ~ 45°C, 8 ~ 90% (non-condensing); Storage: -4 ~ 185°F / -20 ~ 85°C
Mounting	Desktop

Additional Features

Multi-Language Support	English/Chinese/Traditional Chinese for Web UI; Customizable IVR/voice prompts for English, Chinese, British English; Customizable language pack to support any other languages
Caller ID	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF
Polarity Reversal/Wink	Yes, with enable/disable option upon call establishment and termination
Call Center	Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/ busy level, in-queue announcement
Customizable Auto Attendant	Unlimited layers of IVR (Interactive Voice Response)
Maximum Call Capacity	Up to 100 even in SRTP encrypted
Conference Bridges	Up to 50 simultaneous PSTN or IP participants
Call Features	Call park, call forward, call transfer, DND, ring/hunt group, paging/intercom etc.