CarpeStar
Telecom solutions

UC200

Desktop IP-PBX for SOHO and SMB

- Up to 60 concurrent calls, 60-attendee conference
- Integrated 4 PSTN Trunk FXO Ports Plus 2 FXS Ports
- Comprehensive features for unified communication
- High level of security protection(SRTP, TLS & HTTPS)

The UC200 is an IP PBX appliance designed to bring enterprise-grade unified communications and security protection to all levels of businesses at an unprecedented price point without any licensing fees, costs-per-feature, or recurring fees. The UC200 enables enterprises to unify multiple communication technologies, 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 a advanced hardware platform and software functionalities, the UC200 can support up to 300 registered users and offer effortless setup and deployment via the web-browser user interface. Besides auto-discovery of diverse endpoints and auto-provisioning, the UC200 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 300 users, up to 60 concurrent calls, 60 conference attendees
- Integrated 4FXO and 2FXS
- 1.5GHz ARM Quad-core processor, 1GB DDR RAM, 8GB EMMC Flash
- 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

Unique Selling Points

- Hi-Interoperability with Network

UC200 has the super NAT network adaptability. In the system deployment, the remote SIP extension registered to the UC200 need not any NAT traversal setting.

- Excellent Compatibility

Without NAT traversal setting, UC200 could be compliant with other mainstream SIP endpoints or components with changeable IP addresses, which effectively reduces complexity of configuration.

- Flexible Resource Allocation

UC200 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

UC200 leverages autoclip intelligent inbound routing mechanism. With call records, UC200 can intelligently match inbound call number with historic called one in autoclip. Moveable extension, call forwarding, DND, etc are available.

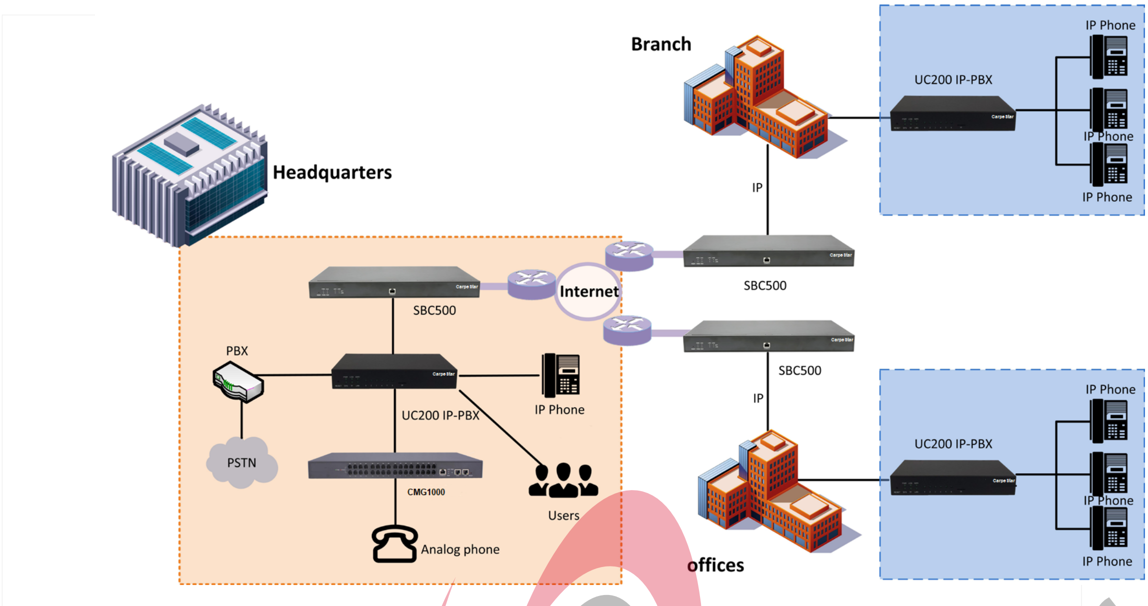
- Multiple High-Security Modes

Multiple security mechanisms in UC200 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

UC200 adapts flexible multiple-layer monitoring modes to protect privacy at maximum level and ensure high-level of security and reliability in most conditions.

Typical Application



Technical Specifications

- Interfaces

FXS Ports: 2 ports
FXO Ports: 4 ports
Network Interfaces: Dual 10/100 RJ45 ports
NAT Router: Yes
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

- Physical

Power Supply: Input: 12VDC, >3A;
Dimensions: 186*108*30mm
Weight: Unit weight 0.83kg

- Environmental:

Operating: 0 ~ 45°C, 8 ~ 90% (non-condensing); Storage: -20 ~ 85°C

- Mounting:

Desktop

- Additional Features

Multi-Language Support: English/Chinese for Web UI; Customizable IVR/voice prompts for English, Chinese;
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 60 even in SRTP encrypted
Conference Bridges: Up to 30 simultaneous PSTN or IP participants
Call Features: Call park, call forward, call transfer, DND, ring/hunt group, paging/intercom etc.

About CarpeStar
As a major manufacturer and supplier of communication products and solutions, CarpeStar specializes in providing superior Multimedia Gateway, Integrated Multimedia Switch, Telephony Hardware in use for Telecom communications.

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