

## DUC 600/ 630 Enterprise PBX



- Up to 60 concurrent calls ( DUC600-15CC, DUC630-30 CC )
- 50-attende 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 DUC 600 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 DUC 600 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 DUC 600 can support up to 500 registered users and offer effortless setup and deployment via the web-browser user interface. Besides auto-discovery of diverse endpoints and auto-provisioning, the DUC 600 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.



Supports up to 500 users, 50 SIP trunk accounts, up to 80 concurrent calls, 50 conference attendees



Integrated 4 PSTN trunk FXO ports, 2 analog telephone FXS ports with lifeline capability



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.



Support 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, 1GB DDRAM, 8GB EMMC Flash

## Unique Selling Points

- **Hi-Interoperability with Network**

DUC 600 has the super NAT network adaptability. In the system deployment, the remote SIP extension registered to the DUC600C need not any NAT traversal setting.

- **Excellent Compatibility**

Without NAT traversal setting, DUC 600 could be compliant with other mainstream SIP endpoints or components with changeable IP addresses, which effectively reduces complexity of configuration.

- **Flexible Resource Allocation**

DUC 600 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**

DUC 600 leverages autoclip intelligent inbound routing mechanism. With call records, DUC 600 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 DUC 600 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**

DUC 600 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	
<b>Analog Telephone FXS Ports</b>	2 ports (both with lifeline capability in case of power outage)
<b>PSTN Line FXO Ports</b>	4 ports (DUC 600)
<b>Network Interfaces</b>	Dual (DUC 600) 10/100 RJ45 ports
<b>NAT Router</b>	Yes (DUC 600)
<b>Peripheral Ports</b>	USB, TF
<b>LED Indicators</b>	Power/Ready, Network, PSTN Line, USB, TF
<b>Reset Switch</b>	Yes
Voice/Video Capabilities	
<b>Voice-over-Packet Capabilities</b>	LEC with NLP Packetized Voice Protocol Unit, 32~128ms-tail-length carrier grade Line Echo Cancellation, Dynamic Jitter Buffer
<b>Voice and Fax Codecs</b>	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
<b>Video Codecs</b>	H.264, H.263, H263+
<b>QoS</b>	Multiple Layers
Signaling & Control	
<b>DTMF Methods</b>	In Audio, RFC2833, and SIP INFO
<b>Provisioning Protocol &amp; Plug-and-Play</b>	TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of various IP endpoints with no Configuration
<b>Network Protocols</b>	TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP (RFC3261), STUN, SRTP, TLS, LADP
<b>Disconnect Methods</b>	Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone
Security	
<b>Media Encryption</b>	SRTP, TLS, HTTPS, TELNET with Fail2ban, Whitelist, Blacklist, alerts and more to protect against attacks
Physical	
<b>Universal Power Supply</b>	Output: 12VDC, 2A; Input: 100 ~ 240VAC, 50 ~ 60Hz
<b>Dimensions</b>	DUC 600: 186mm L x 108mm W x 30mm H
<b>Weight</b>	DUC 600: Unit weight 0.83kg, Package weight 1.1kg
<b>Environmental</b>	Operating: 32 ~ 113°F / 0 ~ 45°C, 8 ~ 90% (non-condensing); Storage: -4 ~ 185°F / -20 ~ 85°C
<b>Mounting</b>	Desktop
Additional Features	
<b>Multi-Language Support</b>	English/Chinese/Traditional Chinese for Web UI; Customizable IVR/voice prompts for English, Chinese, British English; Customizable language pack to support any other languages
<b>Caller ID</b>	Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF
<b>Polarity Reversal/Wink</b>	Yes, with enable/disable option upon call establishment and termination
<b>Call Center</b>	Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/ busy level, in-queue announcement
<b>Customizable Auto Attendant</b>	Unlimited layers of IVR (Interactive Voice Response)
<b>Maximum Call Capacity</b>	Up to 50 even in SRTP encrypted
<b>Conference Bridges</b>	Up to 25 simultaneous PSTN or IP participants
<b>Call Features</b>	Call park, call forward, call transfer, DND, ring/hunt group, paging/intercom etc.