



KNTD-300

UC FEATURES FOR UP TO 300 USERS

The KNTD-300 IP PBX appliance is designed to bring leading edge voice, video, data, and ability features to enterprises, small and medium businesses, retail and residential environments in an easy-to-manage fashion. This enterprise-grade on premise IP PBX supports E1, T1 and J1 networks and offers scalability by supporting up to 300 users. This secure and reliable IP PBX delivers unified communication features at an unprecedented price point without any licensing fees, costs-per-feature, or recurring fees.

Host Standby N+1 redundancy System design



MIX 300 users
Supports up to 300 users, 30 SIP trunk accounts, up to 90 concurrent calls



Zero configuration
provisioning of KNTECH SIP End points



Strongest-possible security protection
using SRTP, TLS and HTTPS encryption



Supports up to a 5-level IVR
(Interactive Voice Response)



Built-in call recording server; recordings accessed via web user interface



Supports call queue for efficient call volume management



Multi-language auto-attendant to efficiently handle incoming calls



Integrated LDAP and XML phonebooks, Flexible dial plan



Supports any SIP video endpoint that using the H.264

Host Standby N+1 redundancy System design

Model	KNTD-300 IPPBX Enterprise - class unified communication system
HARDWARE INTERFACE	
Network Interface	Using dual Gigabit interface (10/100 / 1000M Ethernet adaptive) and integrated POE (IEEE 802.3at-2009) The third Gigabit port for the hot backup cluster
NAT router	Support (user configuration)
Reset switch	Support, Web configuration
AUDIO / VIDEO CAPABILITY	
Speech algorithm	Support fax tone detection and automatic switching G.711, 7.29, 7.23, 7.26 encoding
Voice	G.711 A-law / U-law, G.722, G.723.1, G.726, G.729A / B, AAL2-G.726-32
Video coding	H.264, H.263, H263 +
QoS	Layer 3 QoS, Layer 2 QoS
SIGNALING PROTOCOL	
DTMF detection method	Support three, In Audio, RFC2833, SIP INFO
Digital signal	PRI, SS7, MFC / R2
Terminal management and automatic deployment capabilities	Support for SIP terminal plug-and-play auto-deployment (including DHCP Option 66 / multicast SIP SUBSCRIBE / MDNS Automatic detection and configuration), support TFTP / HTTP / HTTPS upgrade, local upgrade
Network protocol	TCP / UDP / IP, RTP / RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP / HTTPS, SIP (RFC3261), STUN, SRTP, TLS / SIP, LDAP
PSTN disconnection method	Support the PSTN line intelligent detection and automatic matching function, support five kinds of signaling detection methods (1, Busy Tone detection, 2, CPT detection, 3, polarity reversal detection, 4, Hook Flash Timing detection, 5, Loop Current Disconnect detection)
SAFETY	
Media encryption	SRTP, TLS, HTTPS, SSH
Advanced defense	Fail2ban, Alert events, whitelists, blacklists, encrypted access controls
PHYSICAL CHARACTERISTICS	
Global universal power supply	Input: 100 ~ ~ 240VAC, 50 / 60Hz;
weight	Equipment weight: 2.165 Kg; Package weight: 3.012 Kg
Use the environment	Operating environment: 32 - 113°F / 0 ~ 45°C, humidity 10 - 90% (No condensation) Storage environment: 14 - 140°F / - 10 ~ ~ 60°C, humidity 10 - 90% (No condensation)
size	440mm (L) x 185mm (W) x 44mm (H) IU standard
installation	Desktop or cabinet installation
ADDITIONAL FEATURES	
Multi-language support	Web user interface supports English / Simplified Chinese, customizable IVR / voice prompts in English, Chinese, english English
Caller ID detection	ETSI-FSK, ETSI-DTMF
Polarity reversal/ Wink	Support, option on / off control call setup and termination
Call Center	Supports multiple call queues and queue queuing sounds
Customize Auto Attendant	Supports Layer 3 IVR (Interactive Voice Response)
Concurrent call capability	Up to 5,000 SIP terminals can be registered, up to 500 concurrent calls
Meeting room capacity	Supports up to 10 voice conference rooms, up to 100 voice conference members
Call function	Call Park, Call Forward, Call Forward, Do Not Disturb, DISA, ring Group, Pickup Group, blacklist, call / intercom, etc.

KNTECH IP PABX MODEL NUMBER

SIMULTANEOUS CALLS

REGISTER USER	SIMULTANEOUS CALLS	MODEL NUMBER
50 line	15 line	KNTD-50
100 line	30 line	KNTD-100
300 line	90 line	KNTD-300
500 line	150 line	KNTD-500
800 line	400 line	KNTD-800
1000 line	300 line	KNTD-01K
3000 line	900 line	KNTD-03K
5000 line	1500 line	KNTD-05K

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