

# IP PABX



**KNTD-800**

## UC features for up to 800 users

The KNTD-800 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, SIP Trunk, RJ45 networks and offers scalability by supporting up to 800 users. Host Standby N+1 redundancy System design.

KNTD-800 server is a computer device that centrally processes and manages information, with multiple functions such as storing, processing, sharing, and protecting data.

The KNTD-800 server can be equipped with three major systems: telephone, broadcasting, and access control, and has efficient and stable performance to meet your various needs.

<b>Advanced Call Handling</b>	<b>Remote Call Forwarding</b> (Always, Busy, No Answer) activated via feature codes or Web GUI. Supports multiple destination sequential ringing.
<b>Executive/Secretary</b>	Supports <b>Multiple Executive and Secretary</b> groups configuration. Features include Intercom, Call Screening, and Status Monitoring (BLF).
<b>Extension Management</b>	Supports flexible extension <b>swapping and relocation</b> via software configuration without physical recabling.



800 users  
Supports up to 800 users,  
160 SIP trunk accounts,  
up to 160 concurrent calls.



Three-In-One  
Optional,  
Telephone system,  
Broadcasting system,  
Access control system.



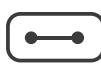
Strongest-possible  
security protection using  
HTTP.



9th Generation  
Intel® Core™ i7 Processors



Supports IVR  
(Interactive Voice Response).



Built-in call recording server  
recording succeeded  
via web user interface.



Supports call queue  
for efficient call  
volume management.



Linux System

## Technical Parameter



Model	KNTD-800 IP PBX Enterprise - class unified communication system
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### ■ Hardware interface

Host Standby N+1 redundancy System design
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Network Interface	RJ45 Gigabit interface (10/100 / 1000M Ethernet adaptive)
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Reset switch	Support, Web configuration
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### ■ Main Board/CPU Specifications

Processor	Supports Intel 9 generation Core i9 processors
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Chipset	Intel H310/Q370
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GraphicControl	Intel coffee lake S processor integrated Intel UHD Graphics 630
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Memory	1*DDR4 UDIMM, supports DDR4 2666, maximum capacity 32G
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Storage	2*SATA3.0 Hard disk type: Both mechanical hard drives and solid-state drives are compatible
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Display Port	1*VGA, up to 1920x1200 @60Hz 1*DP, up to 4096x 2304 @60Hz
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LAN	6*LAN, Intel 1211, 10/100/1000Mbps RJ45
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USB	4*USB3.0, 6*USB2.0
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Audio	1*Headphone, 1*Mic-In, 1*Line-In, 1*Line-out, 1*5W AMP
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COM	5*RS232, 1*RS232/RS422/RS485
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IO	1*pCle 16x slots, 1*MiniPcle(Support mSATA, PS/2 mouse and keyboard, 8*GPIO, 1*CPUFAN, 1*SYSFAN)
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Watchdog	Support
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BIOS	AMI EFI BIOS
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System	Linux
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CPU Total Cores	8
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CPU Total Threads	8
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Max Turbo Frequency	4.70 GHz
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Intel® Turbo Boost Technology 2.0 Frequency	4.70 GHz
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Processor Base Frequency	3.00 GHz
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Cache	12 MB Intel® Smart Cache
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Bus Speed	8 GT/s
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TDP	65 W
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## Technical Parameter



### ■ Audio / video capability

Speech algorithm G.711, 7.29, 7.23, 7.26 encoding

Voice G.711 A-law/ U-law, G.723.1, G.726, G.729A

Video coding H.264.

### ■ Signaling protocol

DTMF detection method Support RFC2833, SIP INFO

Digital signal SIP2.0

Terminal management and automatic deployment capabilities Support for SIP terminal plug -and-play auto-deployment (including DHCP / multicast SIP, support Remote upgrade, local upgrade)

Network protocol TCP | UDP | IP, RTP, DHCP, SSH, HTTPS, SIP

### ■ Safety

Advanced defense Alert events, whitelists, blacklists

### ■ Physical characteristics

Global universal power supply Input: 100~ ~ 240VAC, 50 / 60Hz;

weight Equipment weight: 3.5 Kg; Package weight: 4.4Kg

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 428\*259.4\*44.6mm

Installation Desktop or cabinet installation

## Additional features

Multi language support Web user interface supports English / Simplified Chinese, customizable IVR / voice prompts in English, Chinese

Caller ID ETSI-DMF

Call Center Supports call queues.

Customize Auto Supports IVR (Interactive Voice Response)

Concurrent call Up to 800 SIP terminals can be registered, up to 160 concurrent calls

members Calls waiting, Call transfer, Ringing group, Subgroup, meeting, broadcast, blacklist, call / intercom, etc

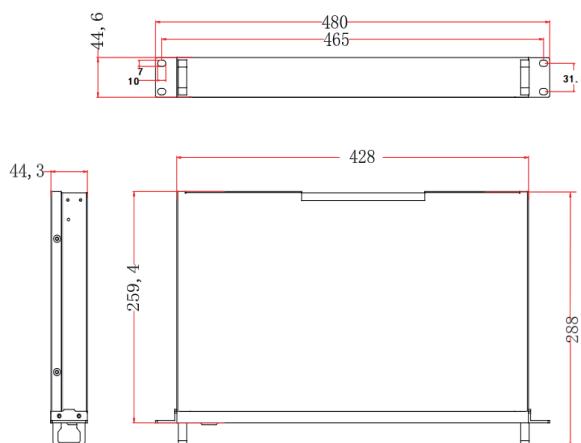
Certification EN 54-16, ISO 7240-16:2007, IEC 61082, IEC 60300, IEC 60068, IEC 60050, IEC 62368, IEC 60601-1, IEC 60601-1-2, ISO 14001, ISO 45001, ISO 9001

## KNTECHIP PABX MODEL NUMBER

REGISTER USER	SIMULTANEOUS CALLS	MODEL NUMBER
50 line	10 line	KNTD-50
100 line	20 line	KNTD-100
300 line	60 line	KNTD-300
500 line	100 line	KNTD-500
800 line	160 line	KNTD-800
1000 line	200 line	KNTD-01K
3000 line	600 line	KNTD-03K
5000 line	1000 line	KNTD-05K

## Size display :

Unit: mm

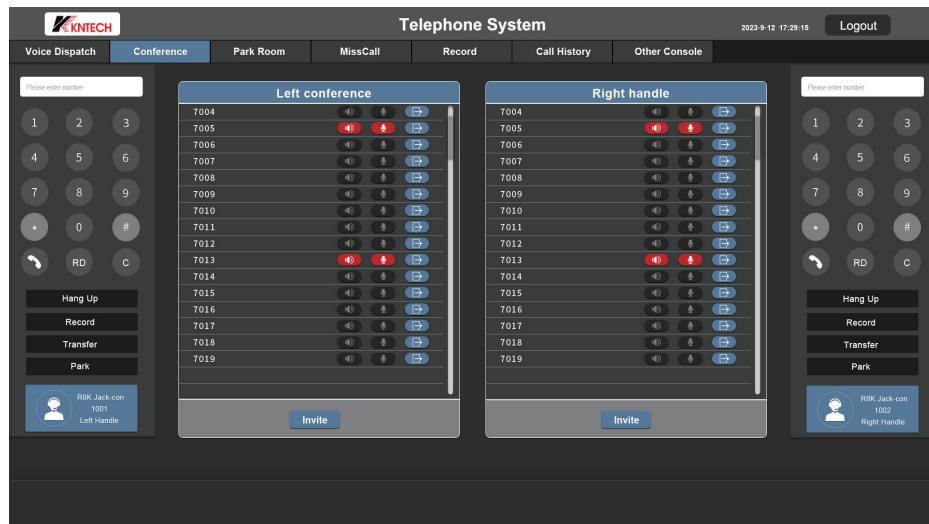


## Voice dispatch-Telephone call

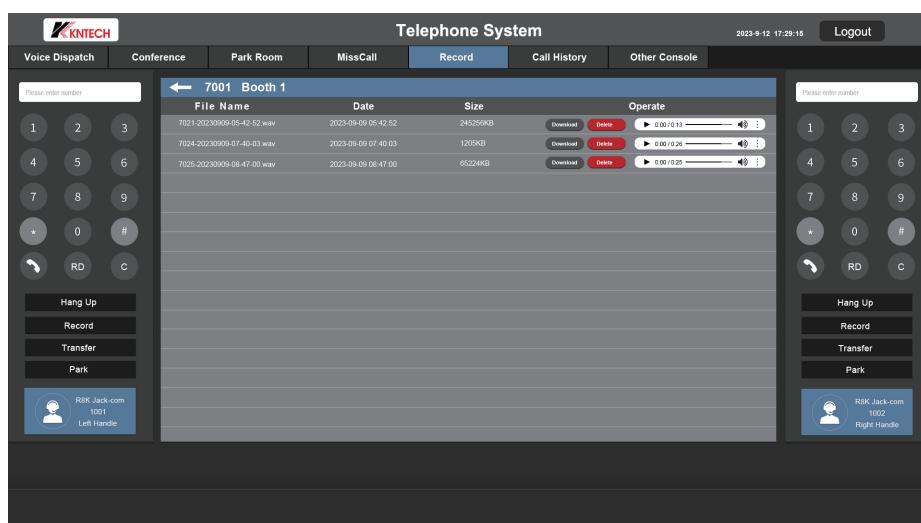
Blue color means on line , green color means ringing, yellow color means busy.



## Conference dispatch-Meeting room

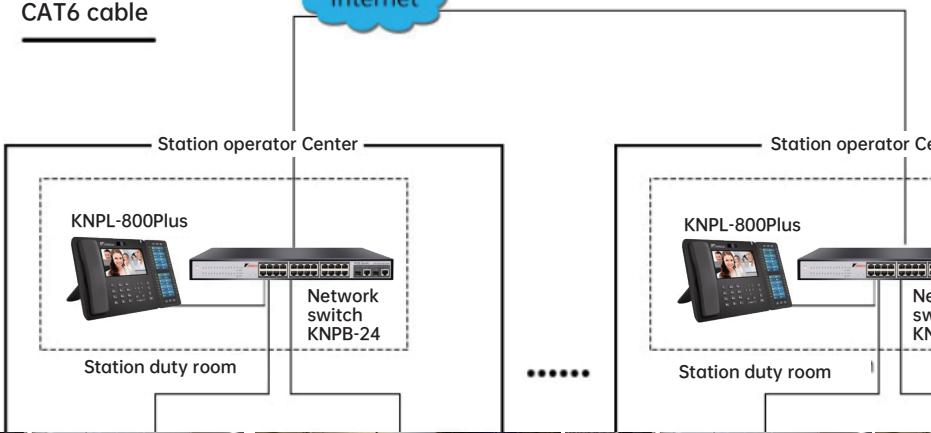
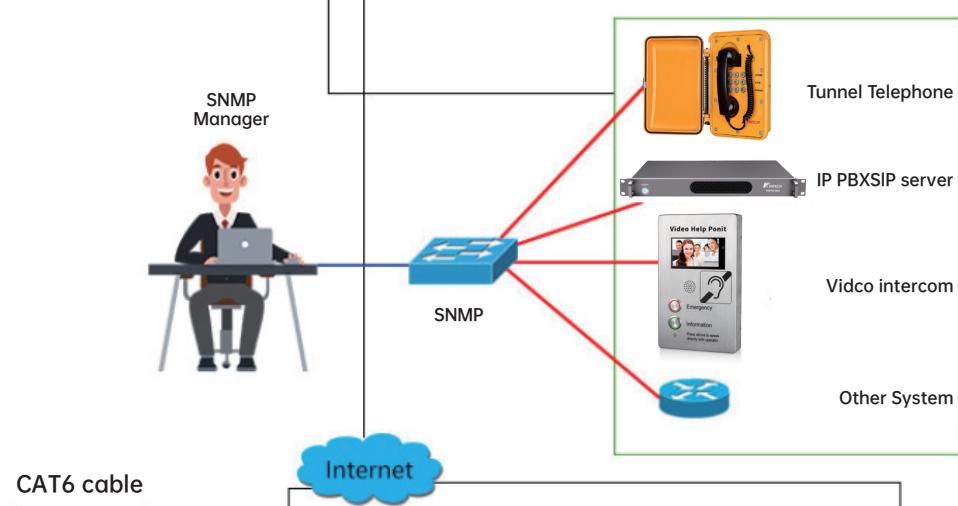


## Configuration Manual



# Emergency telephone system

## Operator Console Center



KNZD-60PIL

KNSP-15

KNZD-60PIL

KNSP-15