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.

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

800 users
Supports up to 800 users,
160 SIP trunkacCounts,
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 saccessed
via webuser interface.

SIP

Supports call queue
for efficient call
volume management.

Linux
Linux System

IoT Solutions Alliance | Windows® Embedded Partner

Technical Parameter

Model	KNTD-800 IP PBX Enterprise - class unified communication system

■ Hardware interface

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

■ Main Board/CPU Specifications

Processor	Supports Intel 9 generation Core i9 processors
Chipset	Intel H310/Q370
GraphicControl	Intel coffeelake S processor integrated Intel UHD Graphics 630
Memory	1*DDR4 UDIMM, supports DDR4 2666, maximum capacity 32G
Storage	2*SATA3.0 Hard disk type: Both mechanical hard drives and solid-state drives are compatible
Display Port	1*VGA,up to 1920x1200 @60Hz1*DP,up to 4096x 2304 @60Hz
LAN	6*LAN,Intel1211,10/100/1000Mbps RJ45
USB	4*USB3.0,6*USB2.0
Audio	1*Headphone,1*Mic-In,1*Line-In,1*Line-out,1*5W AMP
COM	5*RS232,1*RS232/RS422/RS485
IO	1*pCle 16x slots,1*MiniPcle(Support mSATA,PS/2 mouse and keyboard,8*GPIO,1* CPUFAN,1*SYSFAN)
Watchdog	Support
BIOS	AMI EFI BIOS
System	Linux
CPU Total Cores	8
CPU Total Threads	8
Max Turbo Frequency	4.70 GHz
Intel® Turbo Boost Technology 2.0 Frequency	4.70 GHz
Processor Base Frequency	3.00 GHz
Cache	12 MB Intel® Smart Cache
Bus Speed	8 GT/s
TDP	65 W

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,HTTP,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

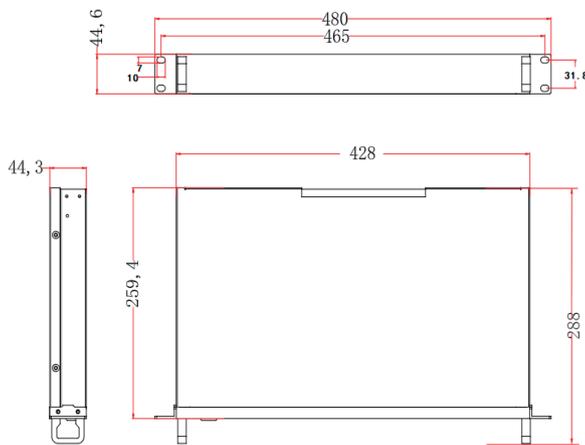## Additional features

Multi language support	Web user interface supports English / Simplified Chinese, customizable IVR / voice prompts in English, Chinese
Caller ID	ETSI-DTMF
Call Center	Supports call queues.
Customize Auto	Supports |VR (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、IEC60601-1、IEC 60601-1-2、ISO14001、ISO45001、ISO9001

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KNTECHIP PABX MODEL NUMBER

REGISTER USER	SIMULTANEOUS CALLS	MODEL NUMBER
50 line	50 line	KNTD-50
100 line	50 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

44,6 480 465 10 7 31.8

44,3 428 259,4 288

Hot Standby Redundancy

KNTD-800

ON/OFF Power

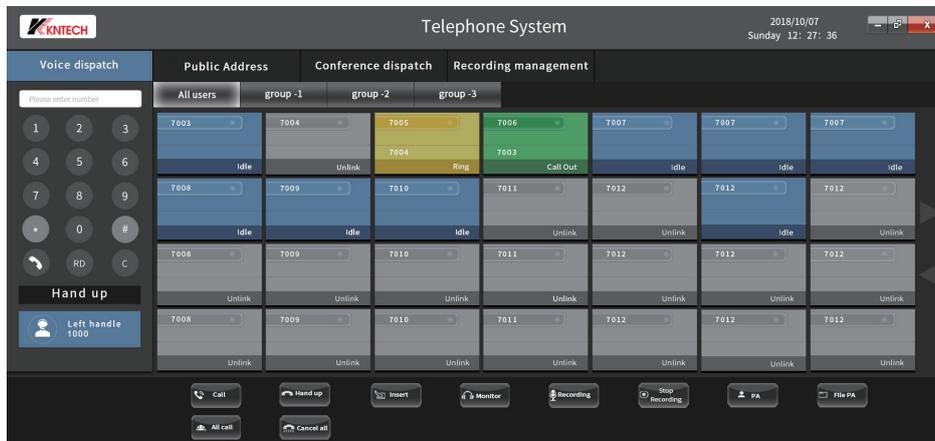Dual Power

ON/OFF Power 6x LAN 4x USB3.0 VGA DP Audio

ON/OFF Power 6x LAN 4x USB3.0 VGA DP Audio

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

SIP Server

Network Management System Model: NMS-X1

Storage Server Model: SV8

Network switch Model: KNPB-24

Cabinet

Operator Console KNDDT-1-AV21

SNMP Manager

SNMP

Tunnel Telephone

IP PBXSIP server

Vidco intercom

Other System

CAT6 cable

Internet

Station operator Center

KNPL-800Plus

Network switch KNPB-24

Station duty room

Station operator Center

KNPL-800Plus

Network switch KNPB-24

Station duty room

KNZD-60PIL

KNSP-15

KNZD-60PIL

KNSP-15