

# UC IPPBX Product Introduce

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# Foreword

**DINSTAR**

- This course is mainly:
  - Describe PBX and IPPBX common knowledge
  - Describe IPPBX main function
  - Introduce Dinstar UC IPPBX product and key feature
  - Explain Dinstar UC IPPBX networking and application scenario

# Course Objective

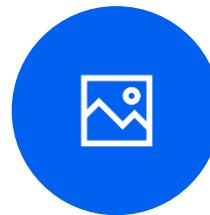
Through this course  
you will be able to



Understand and know what IPPBX



Be familiar with Dinstar UC IPPBX  
main function and key feature



Know Dinstar UC IPPBX networking and  
application

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About PBX&IPPBX

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UC IPPBX Network and Application

# About PBX&IPPBX

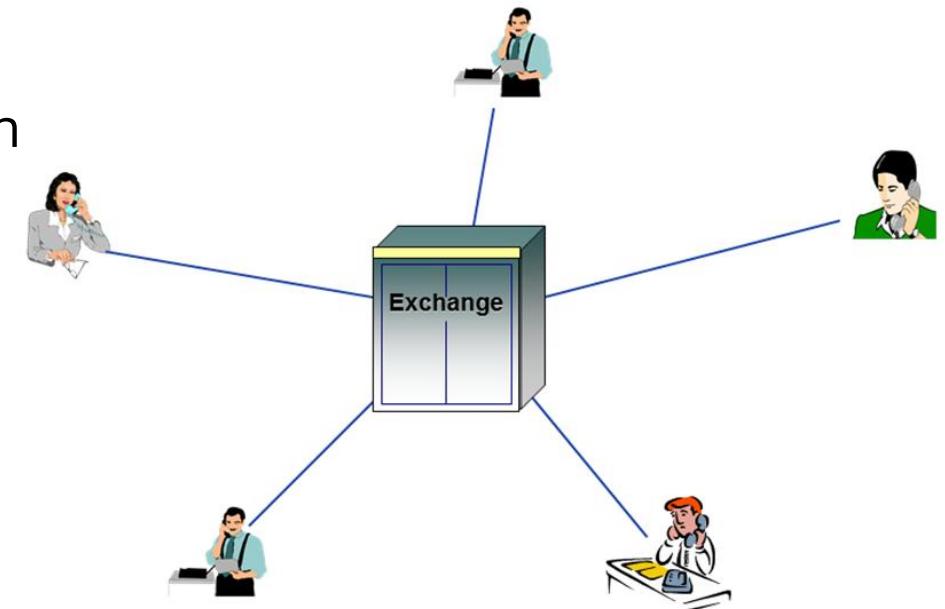
 1.1 What is PBX

 1.2 PBX History

 1.3 About IPPBX

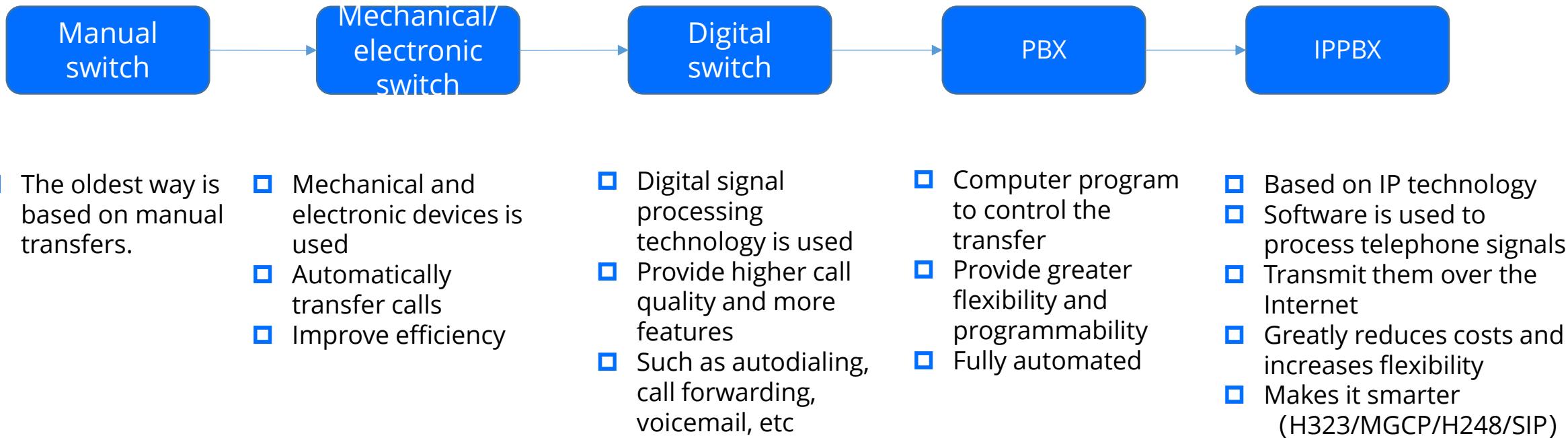
# What is PBX

- A telephone exchange is a system device used to connect telephone lines and automatically transfer calls.
  - Automatic and efficient transfer of calls between telephone users
  - Forwards the call request to the correct destination according to the set routing rules.



# PBX History

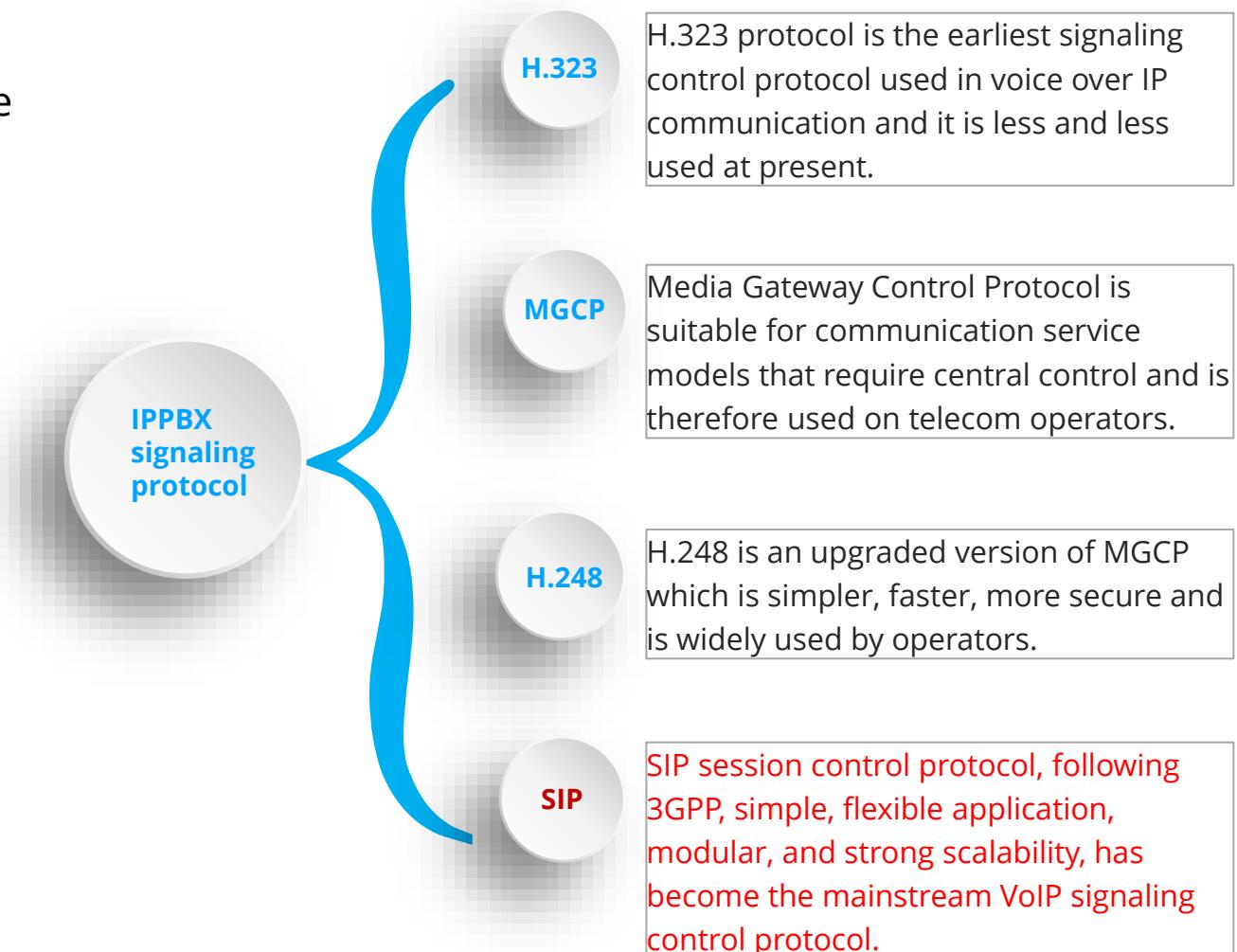
- The development of PBX



# About IPPBX

- Feature

- It is a telephone switching system based on IP protocol and all voice service functions are implemented by software on the network.
- Support value-added services such as video calls, multi-party voice conferences and manager secretaries etc.
- Support remote maintenance and management
- Support operator's PSTN through an analog access gateway or a digital trunk gateway.



# Advantage

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## • PBX & IPPBX

### Old System: Tradition PBX

Appearance

Low integration and the equipment is bulky and large

Architecture

Based on hardware switching technology, the architecture is outdated and low efficiency

Function

Single function and poor scalability

Maintain

Local serial port maintenance, no visual interface, no remote maintenance tools, high O&M costs

Deploy

Complex implementation and long deployment cycles



### New System: IPPBX

high integration

Based on IP architecture, SIP protocol, IMS/NGN technology

Feature-rich, open and compatible



Visual interface, convenient and efficient, remote configuration and maintenance

Greatly reduce O&M costs

Full IP, fast deployment, high scalability, easy upgrade and expansion

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# UC IPPBX Introduce

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 2.1 Dinstar UC IPPBX Overview

 2.2 Dinstar UC IPPBX Serial Introduce

# Overview

**DINSTAR**

- Dinstar UC IPPBX Series

## Software



DRS  
Record Manager  
System



Attendant Desk



PMSI for Hotel



Enterprise Billing



Address Book



APP Dinlink

## UC IPPBX



UC100



UC120



UC200Pro



UC350



UC350Pro



UC8000  
(software)



All of Dinstar's UC IPPBX products are based on the SIP protocol for voice communication

# UC100

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- Appearance



# UC100 (continue)

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- Key feature



32 extension



10 concurrence



4G internet



Wi-Fi

UC100



- ◆ Desktop, SIP Protocol
- ◆ Built-in SIP Server function, support 32 SIP extension
- ◆ Support 1 FXS and 1 FXO
- ◆ Support 1 SIM card, GSM/WCDMA/LTE call and internet
- ◆ Support 1 wan and 1 lan
- ◆ Support simple router function

- Appearance



# UC120 (continue)

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- Key feature



60 extension



30 concurrent



4G internet



IVR

UC120



Wi-Fi



record



Voice  
mail



telephone  
operator



- ◆ Desktop, SIP Protocol
- ◆ Built-in SIP Server function, support 32 SIP extension
- ◆ Support 1 FXS and 1 FXO or 2 FXS or 2 FXO
- ◆ Support 1 SIM card, GSM/WCDMA/LTE call and internet
- ◆ Support 1 wan and 1 lan
- ◆ Support simple router function
- ◆ Support 1 USB2.0 and 1 SD card

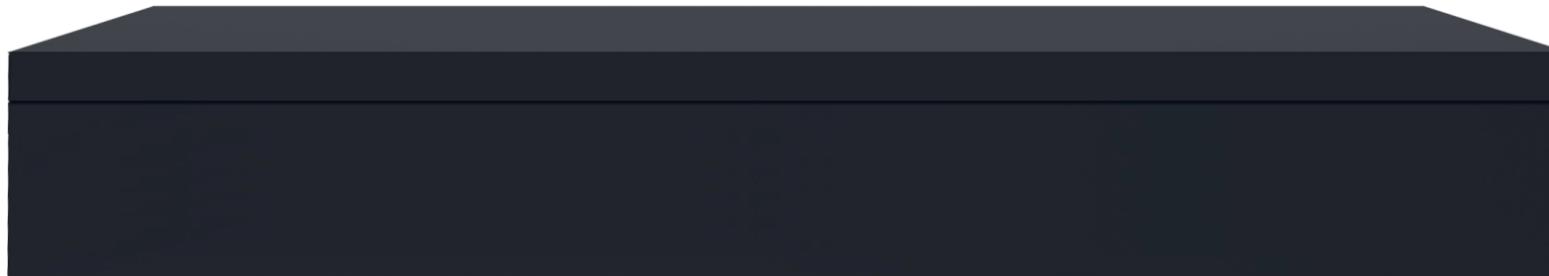
# UC200 Pro

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- Appearance



Front



Back

# UC200 Pro (continue)

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- Key feature



Max 500  
extension



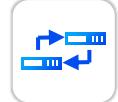
Max 50  
concurrence



TLS/SRTP



voice  
conference



Hot  
Standby



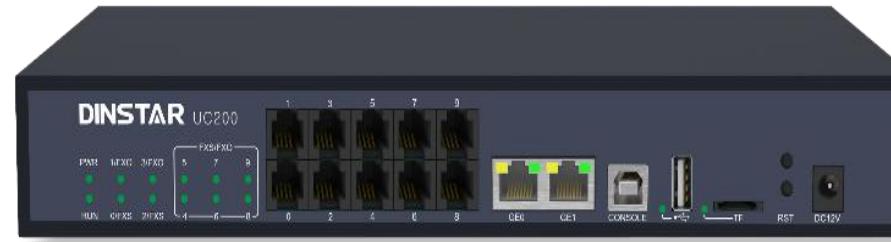
Record



voice mail



IVR



- Desktop, SIP Protocol
- Fixed 2 FXS and 2 FXO
- Support 3 optional 2S/2O/1S1O module
- Support 1 USB2.0
- Support 2 Gigabit Ethernet
- Support 1 TF card for recording

- Appearance



Front  
1U



Back

# UC350 Pro

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- Appearance



Front 1U

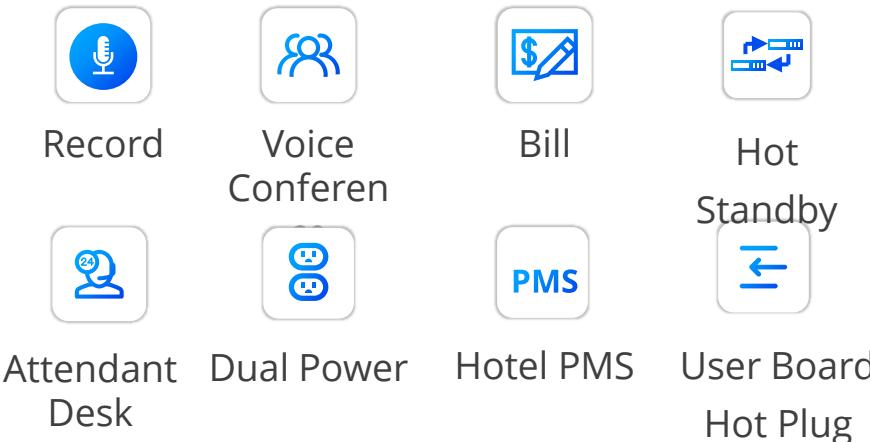


Back

# UC350&UC350 Pro

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- Key feature



**Safe & Reliable:**

IP firewall      TLS/SRTP/ZRTP encryption  
Right Control    Anti-password cracking

**Open & Compatibility:**

SIP/IMS protocol  
Compatible with mainstream softswitch and terminal equipment

**UC350**

1000 SIP Account    4E1/  
120 concurrence    32\*FXS/FXO  
2\*GE



**UC350 Pro**

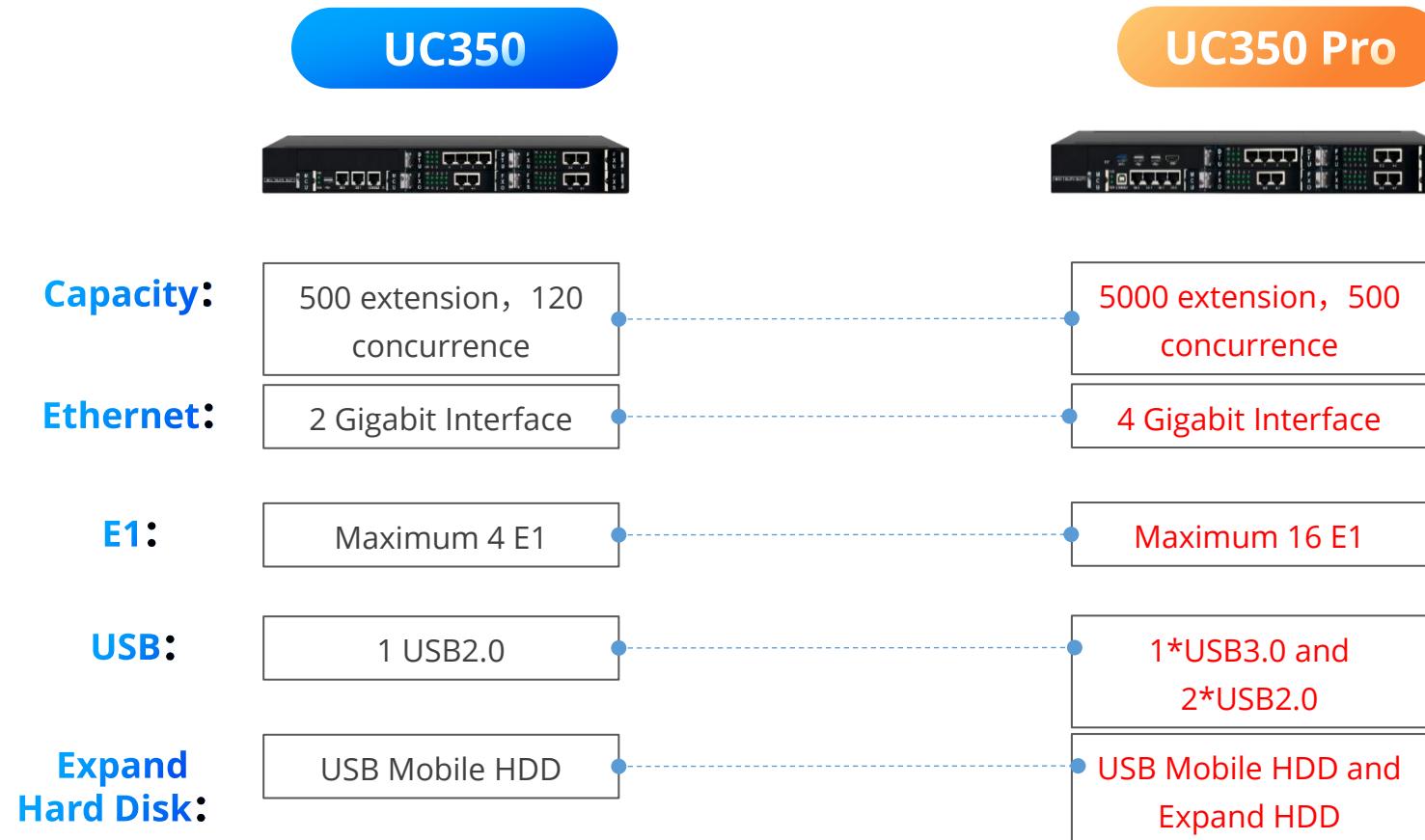
5000 SIP Account    4~16E1/  
500 concurrence    32\*FXS/FXO  
4\*GE



# UC350&UC350 Pro (continue)

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- Different



- Software

### Flexible Expansion

On-demand assembly based on enterprise scale, supporting cloud and virtual machine deployment

### Routing Policy

Based on multiple strategies such as time/number prefix, more flexible and efficient

### Adaptive Widly

Universal operating system

### Function Rich

Supports CDRS, recording, attendant desk, billing interfaces

### Security Assurance

Signaling media encryption such as TLS,SRTP,ZRTP

### Flexible Interface

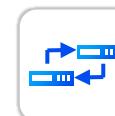
Third part API



20,000  
extension



4,000  
concurrency



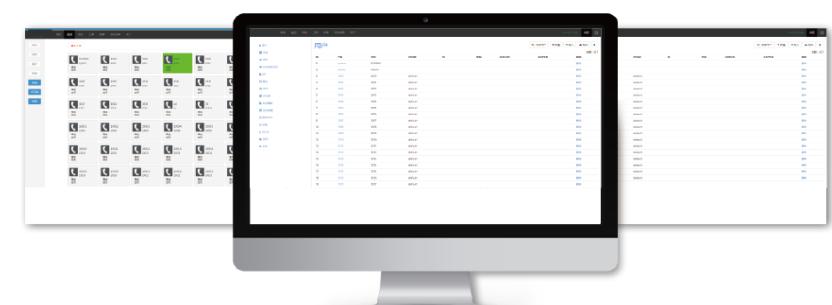
Hot  
standby



Multi-party  
conference call



X86/ARM



- **DinLink**

Remote Access  
Mobile Working

Local Address  
Book

Enterprise  
Address Book

Video Call

Free Call  
Extension

Incoming  
Call Popup



Supports Android & iOS

← → ⌛ 不安全 <https://172.19.211.135>



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IPPBX

[Manage Account Login](#)

[Personal Account Login](#)

Username

Password

# Rich Service Function

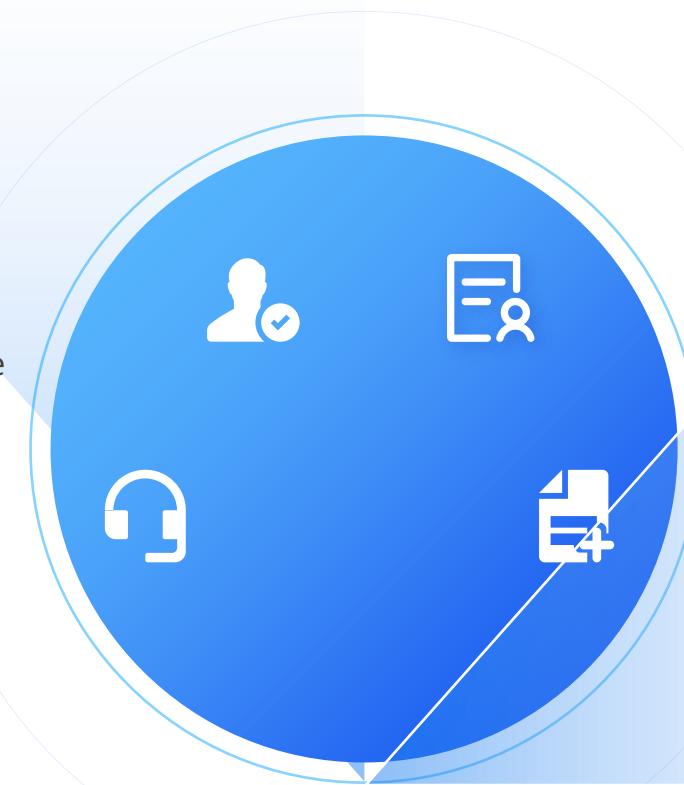
- ✓ Call Transfer
- ✓ Call Forward
- ✓ Call Park
- ✓ Call Responder
- ✓ Call Record
- ✓ Call Unconditional
- ✓ Call Holding
- ✓ Call Waiting
- ✓ Call Follow
- ✓ Call Billing

- ✓ CID
- ✓ DND
- ✓ Ring Group
- ✓ Conference
- ✓ Mobile
- ✓ Address Book
- ✓ Fast Dial-up
- ✓ Call Queue
- ✓ Special Bell
- ✓ Broadcast Intercom

Extension

- ✓ CallBack
- ✓ Auto-attendant
- ✓ Waiting Voice
- ✓ Enterprise switchboard
- ✓ Video Call
- ✓ Hot Line
- ✓ Attendant Desk
- ✓ Black&White List
- ✓ Call Monitor
- ✓ Forced Insert&Release
- ✓ Custom Prompt Tone

- ✓ Hot Standby
- ✓ PIN List
- ✓ Event Report
- ✓ PNP Auto Configuration
- ✓ Voice Mail
- ✓ Multiple User Right
- ✓ Voice Firewall
- ✓ Routing Based on Time
- ✓ Real Status Monitor
- ✓ T.30/T.38 Fax
- ✓ Message Transfer Email
- ✓ Multiple Language UI



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# UC IPPBX Network And Application

03

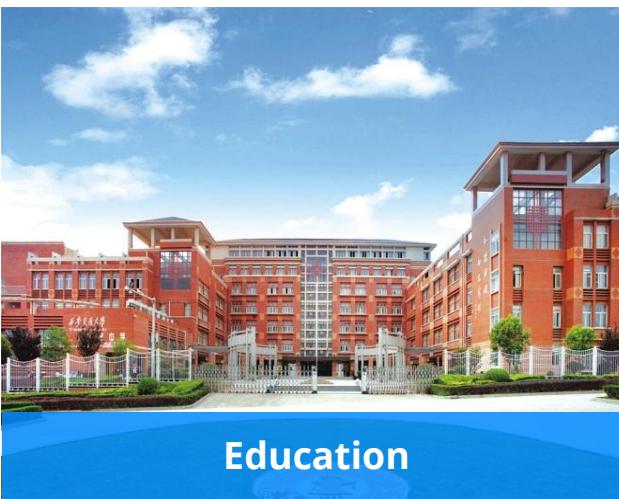
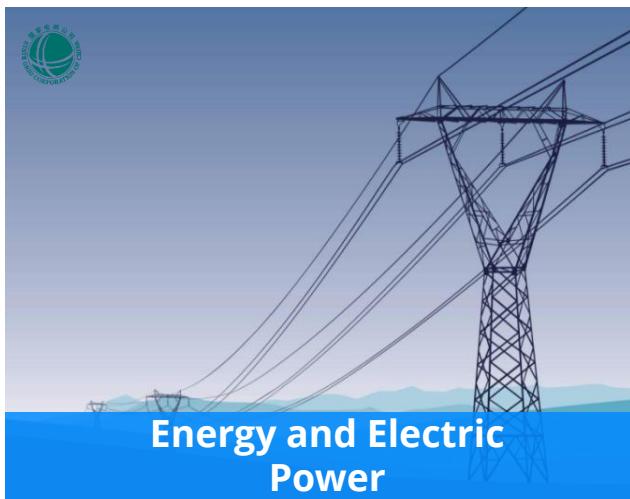
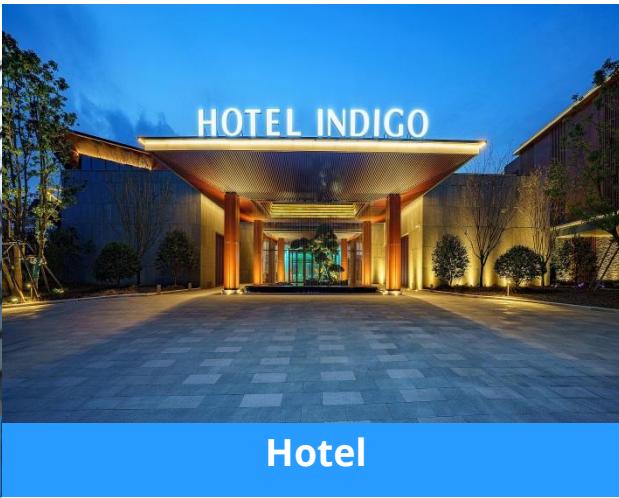
 3.1 UC IPPBX Application Scenario

 3.2 UC IPPBX Typical Networking

# Application Scenarios

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- UC IPPBX applicable industry



# Typical Networking

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- Overview

- A new IP-based communication office telephone system
- Provide enterprises with daily telephone services
- Quickly installed and deployed
- Easy to maintain

- Value

- All IP access, networking simple
- Fast deployment, fast delivery
- Easy maintenance and expansion

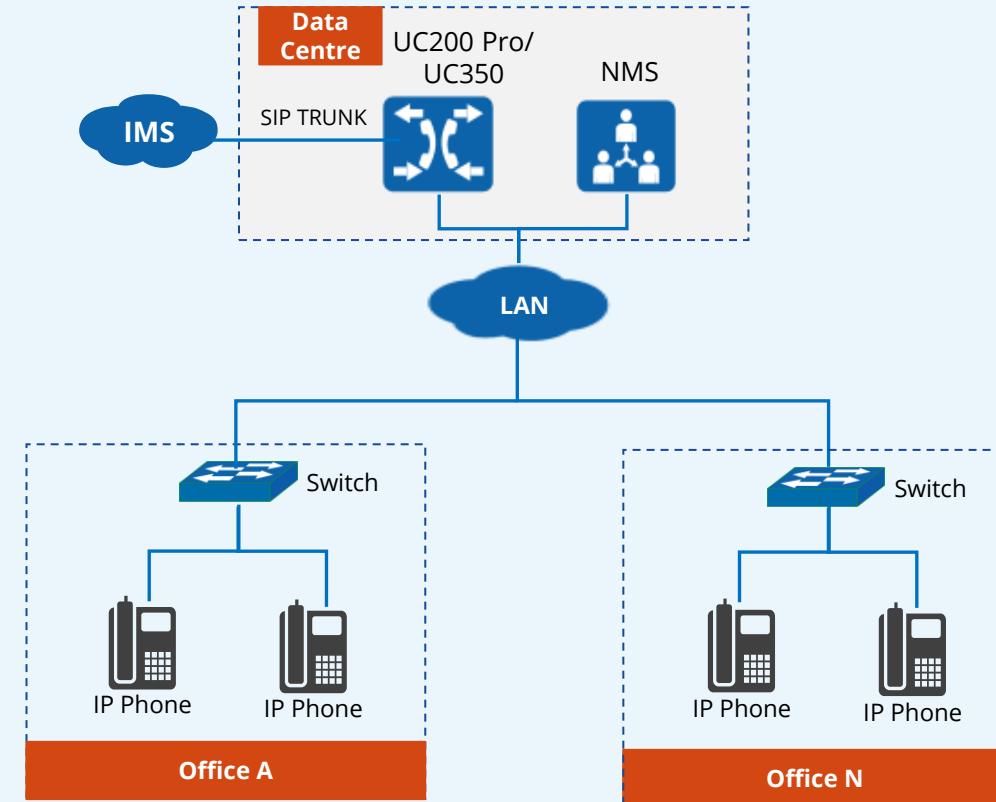
- Scenario

- 200-1000 user

- Product

- UC350 & C6 IP Phone

## New System



# Typical Networking (continue)

- Overview

- Upgrade existing traditional PBX by IP
- Retain analog phones
- Keep the original user's habits
- Smooth upgrade and save costs

- Value

- High integration and flexible deployment (FXS/FXO/E1)
- Resources benefit the old and save costs
- Easy maintenance and expansion

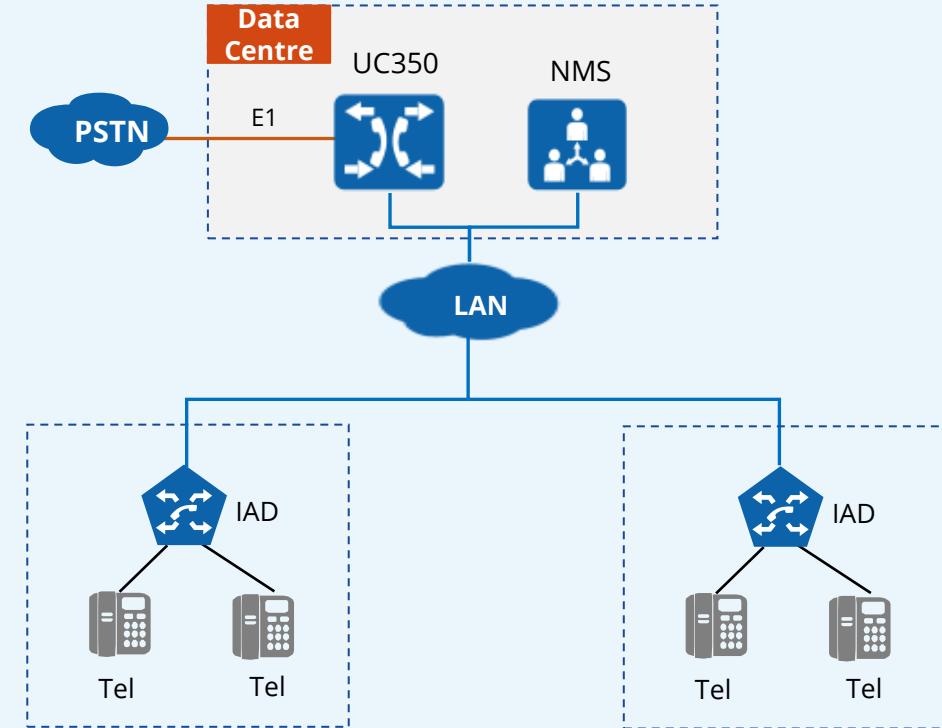
- Scenario

- Traditional PBX update

- Product

- UC350 & DAG 3000-312S

## Update System



# Summary

**DINSTAR**

- This course we already learn:
  - What is PBX&IPPBX
  - Dinstar UC IPPBX main function and key feature
  - Dinstar UC IPPBX application scenario

# Abbreviation

DINSTAR

- PBX:Private Branch Exchange
- IPPBX: Internet Protocol Private Branch Exchange
- SIP:Session Initiation Protocol
- CID:Caller Identification
- DND: Do Not Disturb



# THANKS



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