

- 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



Understand and know what IPPBX



Be familiar with Dinstar UC IPPBX
main function and key feature



Know Dinstar UC IPPBX networking and
application

Through this course
you will be able to

Contents

- 1 About PBX&IPPBX
- 2 UC IPPBX Introduce
- 3 UC IPPBX Network and Application

About PBX&IPPBX

01



1.1 What is PBX



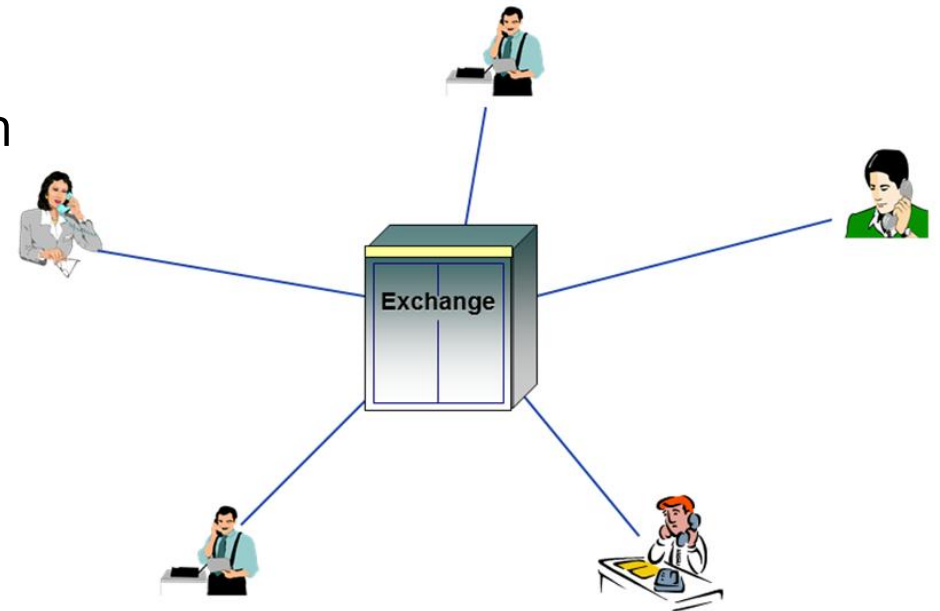
1.2 PBX History



1.3 About IPPBX

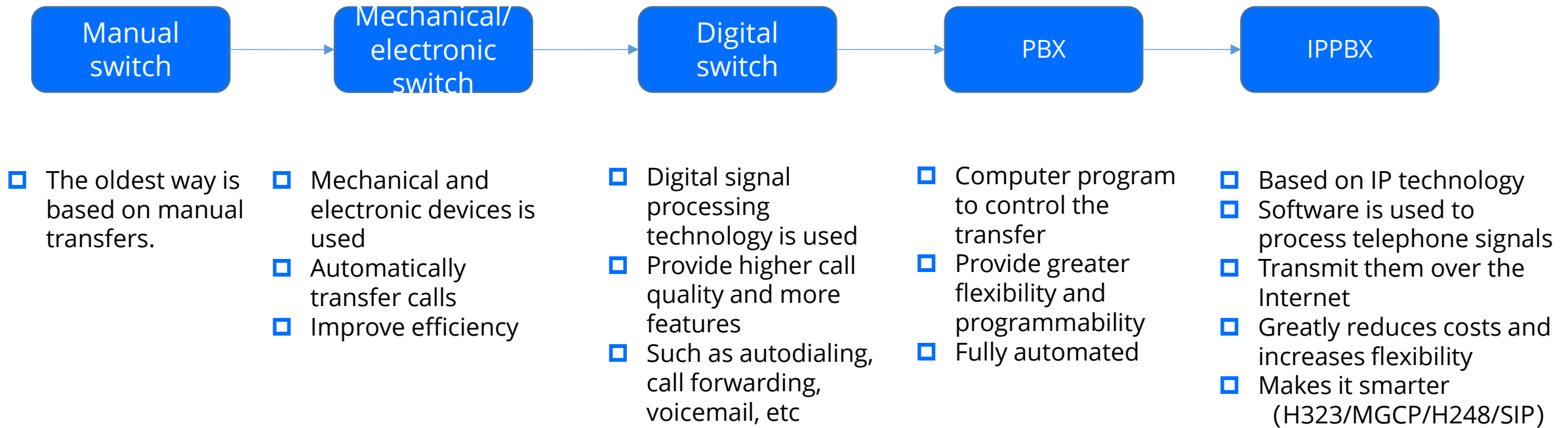
What is PBX

- 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

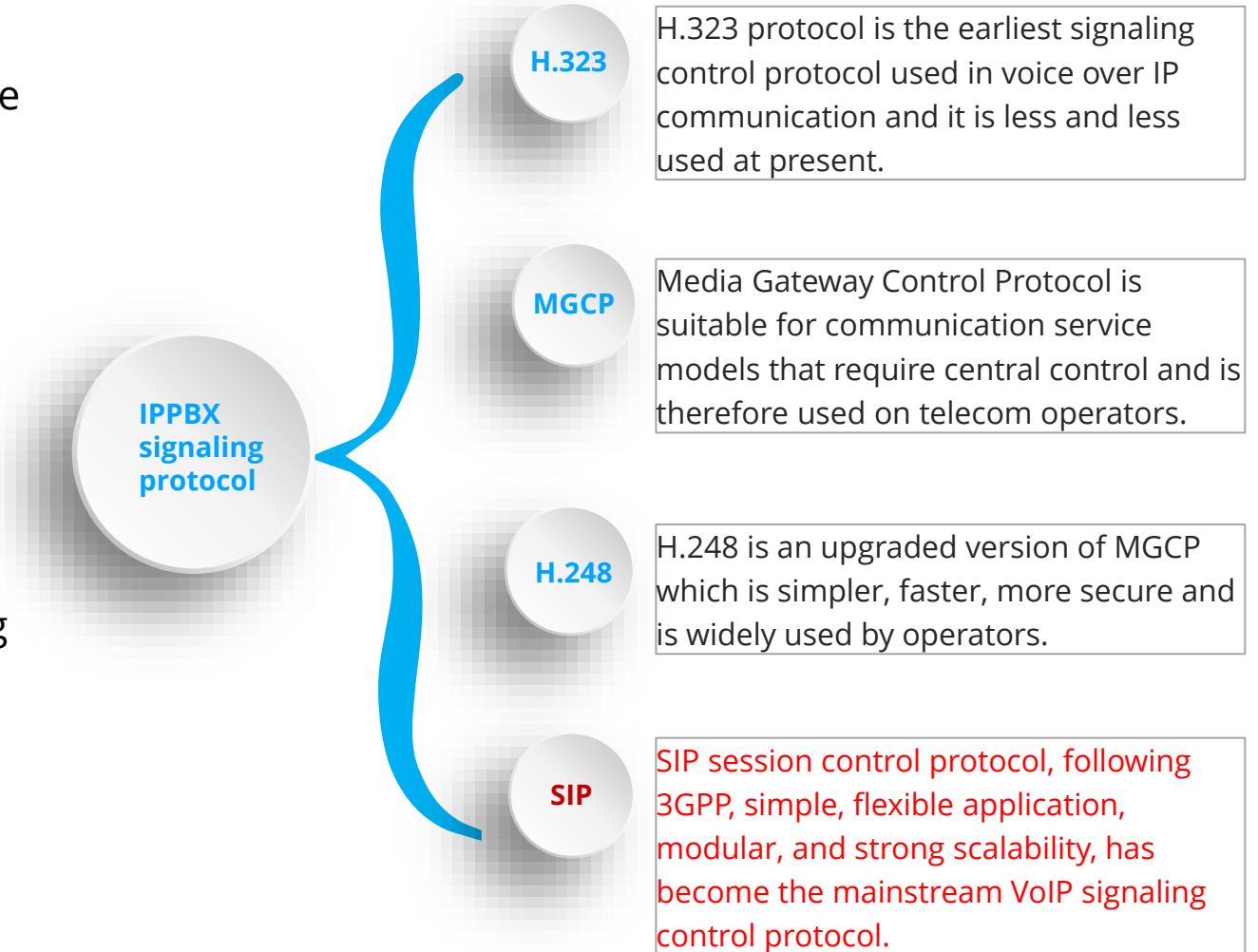
- The development of PBX



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

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Based on hardware switching technology, the architecture is outdated and low efficiency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



Contents

- 1 About PBX&IPPBX
- 2 UC IPPBX Introduce
- 3 UC IPPBX Network and Application

UC IPPBX Introduce

02



2.1 Dinstar UC IPPBX Overview



2.2 Dinstar UC IPPBX Serial Introduce

Overview

- 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

DINSTAR

- Appearance



UC100 (continue)

DINSTAR

- Key feature



32 extension



10 concurrence



4G internet



Wi-Fi

- ◆ 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

UC100



UC120

DINSTAR

- Appearance



UC120 (continue)

- Key feature



60 extension



30 concurrent



4G internet



IVR



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

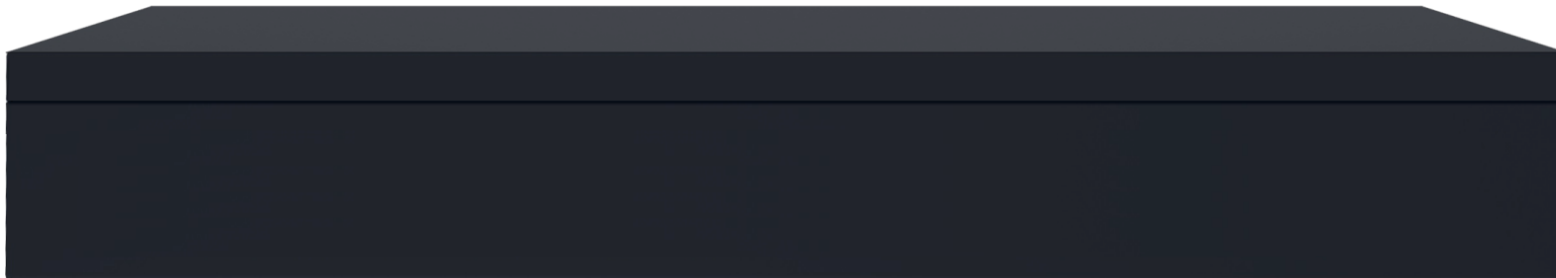


UC200 Pro

- Appearance



Front



Back

UC200 Pro (continue)

DINSTAR

- Key feature



Max 500
extension



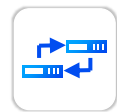
Max 50
concurrency



TLS/SRTP



voice
conferen
ce



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

UC350

DINSTAR

- Appearance



Front
1U

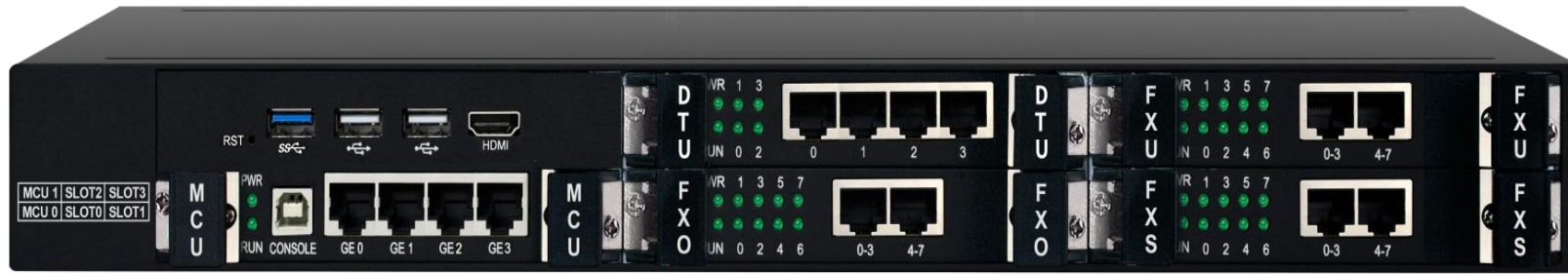


Back

UC350 Pro

DINSTAR

- Appearance



Front 1U



Back

UC350&UC350 Pro

DINSTAR

- Key feature



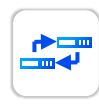
Record



Voice Conferen



Bill



Hot Standby



IVR



Attendant Desk



Dual Power



Hotel PMS



User Board Hot Plug

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
120 concurrence



4E1/
32*FXS/FXO



2*GE



UC350 Pro



5000 SIP Account
500 concurrence



4~16E1/
32*FXS/FXO

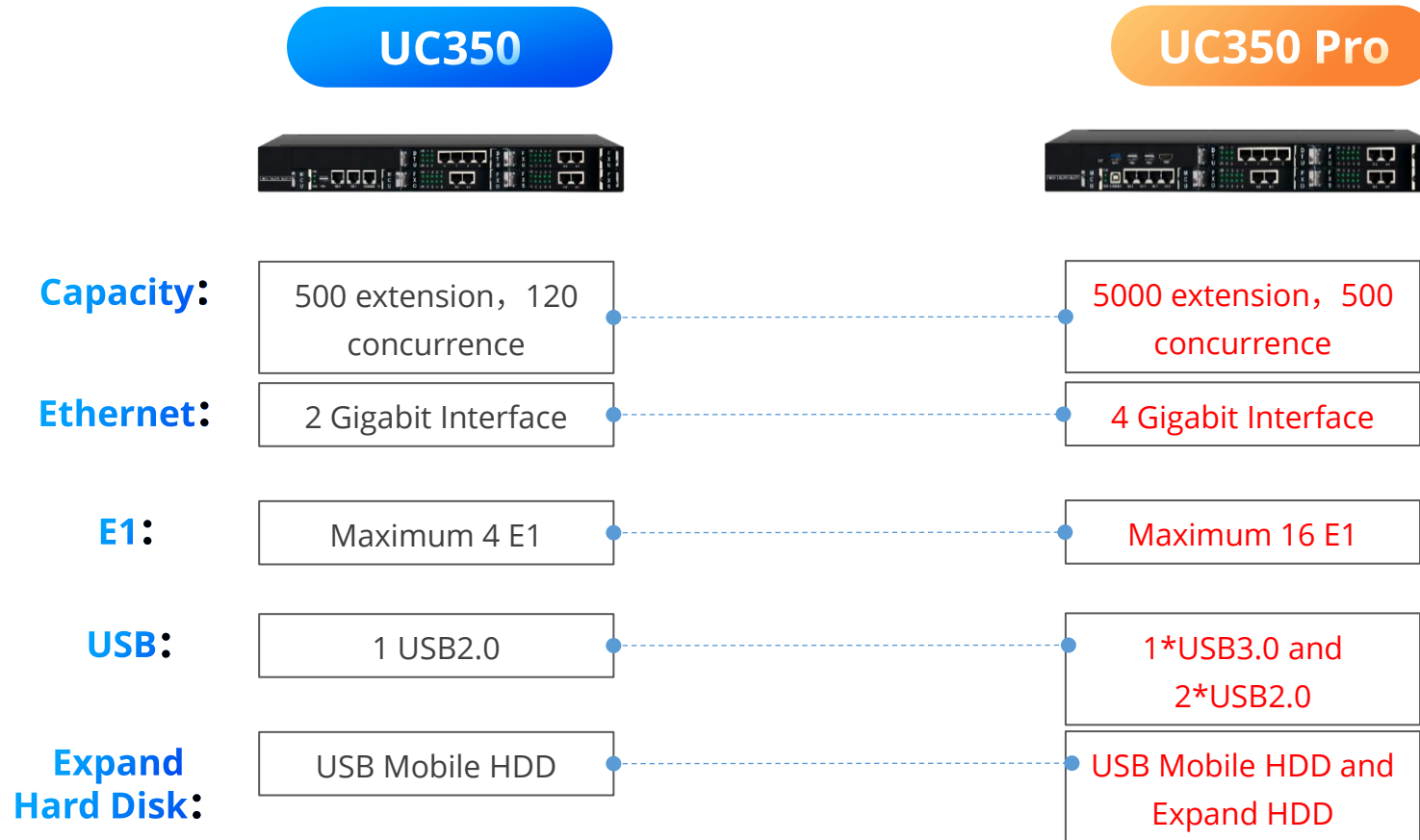


4*GE



UC350&UC350 Pro (continue)

- Different



UC8000

- 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

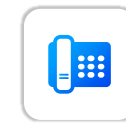
Supports CDRS, recording, attendant desk, billing interfaces

Security Assurance

Signaling media encryption such as TLS,SRTP,ZRTP

Flexible Interface

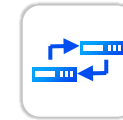
Third part API



20,000
extension



4,000
concurrency



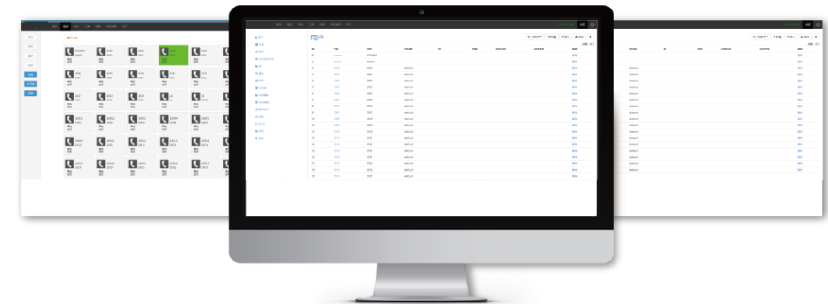
Hot
standby



Multi-party
conference call



X86/ARM



UC APP

DINSTAR

- DinLink

Remote Access
Mobile Working

Local Address
Book

Video Call

Free Call
Extension

Enterprise
Address Book

Incoming
Call Popup



Supports Android & iOS

DINSTAR



IPPBX

Manage Account Login

Personal Account Login

Username

Please Input Username

Password

Please Input Password

Login

Rich Service Function

- ✓ Call Transfer
- ✓ Call Forward
- ✓ Call Paking
- ✓ Call Responder
- ✓ Call Record
- ✓ Call Unconditional
- ✓ Call Holding
- ✓ Call Waiting
- ✓ Call Follow
- ✓ Call Billing
- ✓ CID
- ✓ DND
- ✓ Ring Group
- ✓ Conference
- ✓ Mobile Extension
- ✓ Address Book
- ✓ Fast Dial-up
- ✓ Call Queue
- ✓ Special Bell
- ✓ Broadcast Intercom

- ✓ 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



Contents

- 1 About PBX&IPPBX
- 2 UC IPPBX Introduce
- 3 UC IPPBX Network and Application

UC IPPBX Network And Application

03



3.1 UC IPPBX Application Scenario



3.2 UC IPPBX Typical Networking

Application Scenarios

- UC IPPBX applicable industry



Finance and
Insurance



Hotel



Factory



Energy and Electric
Power



Education



Express

Typical Networking

- 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

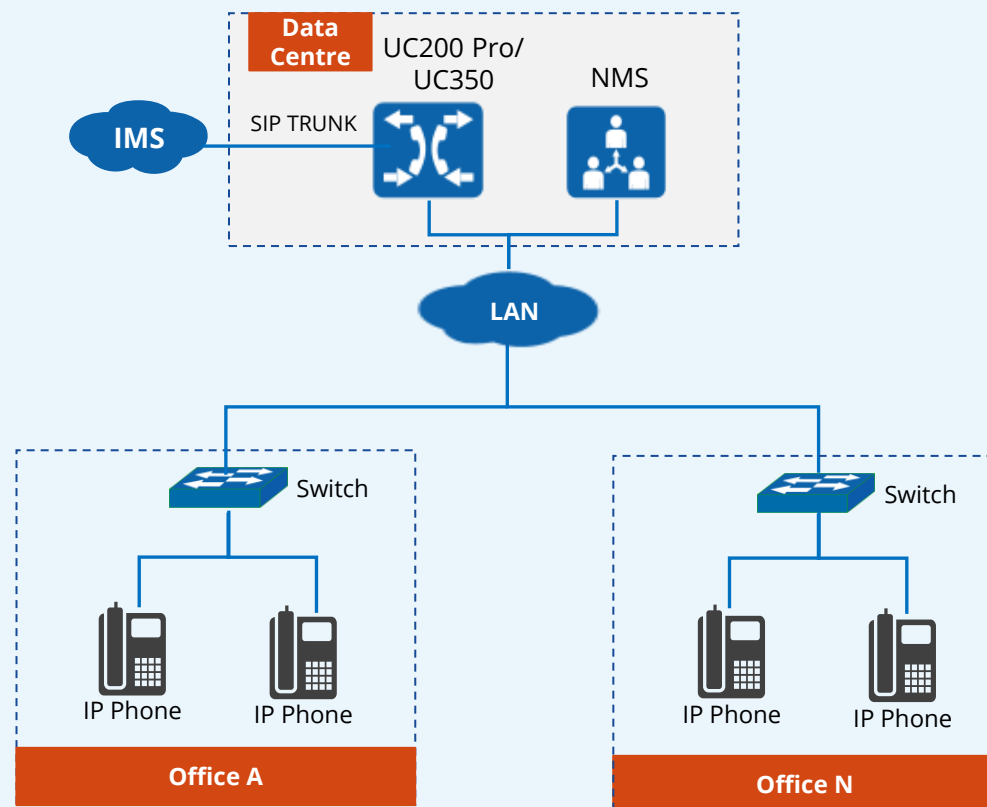
- Scenario

- 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

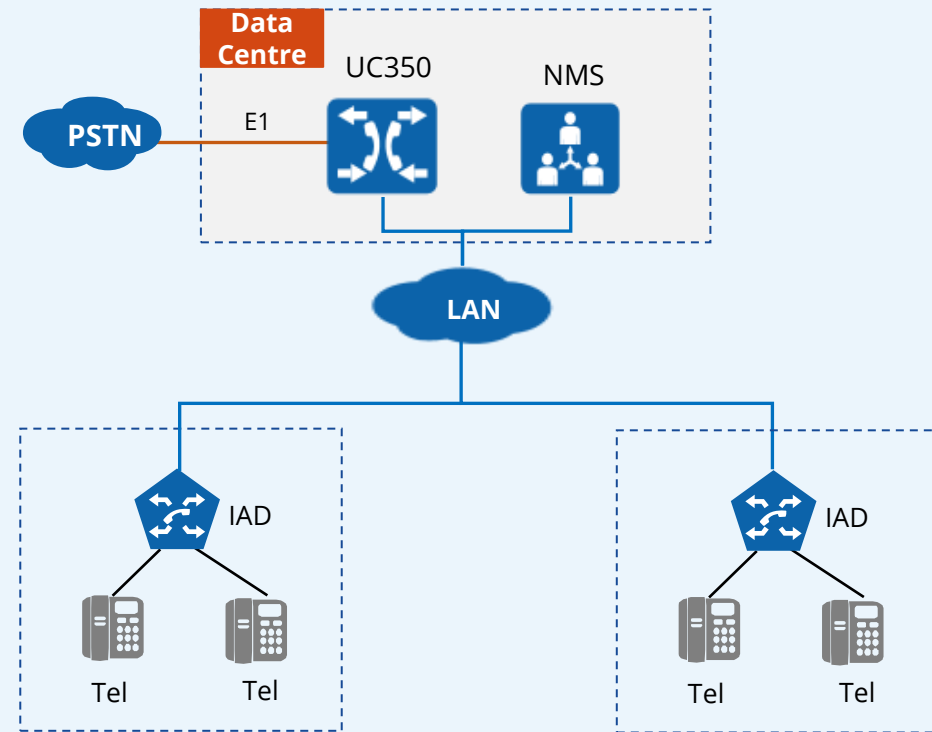
- Scenario

- Traditional PBX update

- Product

- UC350 & DAG 3000-312S

Update System



Summary

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

Abbreviation

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



THANKS



sales@dinstar.com



www.dinstar.com



+86 755 6191 9966