DINSTAR

The Gateway to VoIP World

CONTENTS

DINSTAR

DINSTAR

About us

COMPANY PROFILE

DINSTAR

10^+

Shenzhen Dinstar Co., Ltd. was founded in 2011.

200^+

DINSTAR has focused on developing, manufacturing and marketing of next generation communication and networking products. We have more than 200 employees.

18^+

Our specialists come from top-rank global telecommunication enterprises, who have dedicated themselves to VoIP, unified communication and wireless mobile network for more than 18 years.

1st

No. 1 market share of VoIP Gateways & SBCs in China

We're a Listed Company

DINSTAR

Stock Code: 870319

NEEQ, New Over-The-Counter Market

China Growth Enterprise Board(GEB)

Second board

MILESTONES

2002

Core Team Established

Key engineers from Huawei established a team to develop VoIP ISP solution, aiming to be the leader of NGN industry

2011

DINSTAR Established

Focus on R&D, manufacturing, sales and service of IP communication devices including GSM VoIP gateway, trunk gateway and FXS/FXO VoIP gateway

DINSTAR

2016

A Listed Company

Dinstar successfully listed on China's New OTC Market on 21st, December;
Became one of the first 30 members of Huawei eLTE alliance

2020

New Office

Floor 18, Building 7A, Vanke Cloud City Phase 1, Xingke 1st Street, Xili Sub-district, Nanshan District, Shenzhen, P.R. China 518000

OUR TEAM

18 Years in VoIP Industry

R&D Team

Software & Hardware Development

Sales Team

Marketing & Sales

Support Team

Technical Support

Supply Chain

Factory

Awards & Certificates

AWARDS & CERTIFICATES

- National Hi-tech Enterprise
- ISO9001
- Invention Patents & Software Copyrights
- Product of the Year by Internet Telephony
- Best VoIP Gateways, Editors Choice by CTI Forum
- Certified by Huawei, Broadsoft and Elastix
- CE, FCC & CCC

DINSTAR

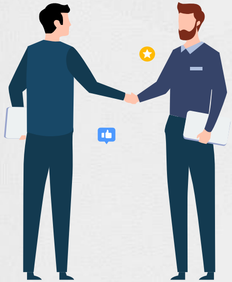
Partners & Customers

OUR CUSTOMERS

DINSTAR

Turnover
>$20 million

Customers
>120,000



Countries
>100

Lines
>10,000,000

OUR PARTNERS

Our partners in China

DINSTAR

OUR CUSTOMERS

Projects of Telecom Operators

OUR PARTNERS

Our partners around the world

COMPATIBILITIES

Dinstar products are compatible with leading platforms

WHY DINSTAR

Hey, Let's do business

Professional

18-year
Development and manufacturing experience of VoIP industry

One-stop Shop

Full series VoIP hardware including VoIP Gateways, IP Phones, IP PBXs and SBCs

Broad Compatibility

Compatible with mainstream
IP PBX and IMS platform vendors

Service

Fast-respond technical services including installation, configuration and trouble-shooting etc.

Benefits of VoIP

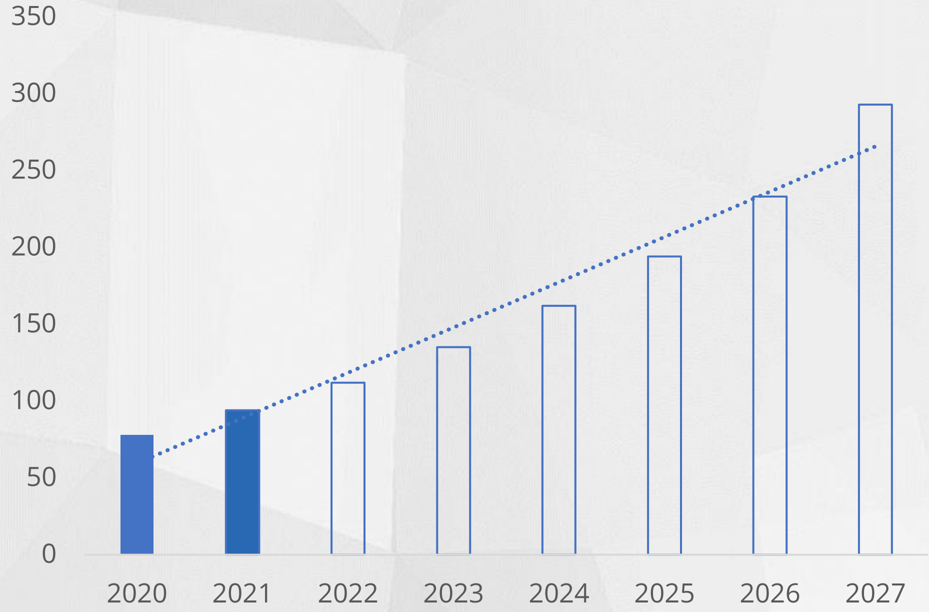
DINSTAR

Benefits of VoIP

- Cost-saving
- Clear Voice Quality
- Easy to Install, Manage and Maintain
- Scalability
- Abundance of Features
- Mobility & Geographical Flexibility & Working from home

Global Unified Communications Market

The global unified communications market size is expected to reach $293 billion by 2027, rising at compound annual growth rate (CAGR) of 19.6% from 2021 to 2027.



19.6%

2021-2027 CAGR

DINSTAR

Applications

Telecom Operator

Service Provider

System Integrator

Contractor

SME/Enterprise

Call Center

By Verticals

BFSI

Education

Healthcare

Government

Emergency Service

Logistics&Transportation

IT&Telecom

Public Sector&Utility

Travel&Hospitality

Consumer Goods&Retail

Products

OUR PRODUCTS

IP Communication Solutions

SME IP PBX

Enterprise IP Phone

Analog VoIP Gateway

Digital VoIP Gateway

Session Border Controller

GSM VoIP Gateway

SIP Door Phone

DINSTAR

IP PBX

IP PBX

DINSTAR

Desktop-size

UC120/UC200

- 60/500 SIP Extensions
- 15/30 Concurrent Calls
- Recording
- Voicemail
- LTE Failover

Enterprise IP PBX

UC350

- 500 to 1,000 SIP Extensions
- 60 to 200 Concurrent Calls
- Up to 32 FXS/FXO
- Up to 4 E1/T1
- Redundant Power Supplies

Customizable IP PBX

UC1500/2500

- X86 Architecture
- Open API: Perfect Integration
- Modular Design
- FXS/FXO: up to 32/80 ports
- E1/T1: up to 16/32 ports

Software IP PBX

UC8000

- Up to 20,000 SIP Extensions
- Up to 4,000 Concurrent Calls
- Easy to Scale
- On-premise or Cloud
- High Availability

SME IP PBX

UC120

- 2 FXO, 1 LTE(optional)
- Up to 60 SIP Extensions
- Up to 15 concurrent calls
- Wi-Fi Hotpot
- 4G LTE as internet connection
- 4G LTE network failover as business continuity
- IP PBX features
- SME / Branch Office / Temporary Office / Remote Area

60
SIP Extensions

15
Concurrent Calls

Data Voice

IVR

Wi-Fi

Recording

Voicemail

SME IP PBX

DINSTAR

FXS/FXO

500 SIP Extensions
60 Concurrent Calls

Recording

UC200

2 FXS, 2 FXO, 1 WAN, 1 LAN

SIP Video

Voicemail

T.38

VPN

Remote Management

DINSTAR

UC350 IP PBX

LCD

Gigabit
Ethernet Port

Up to 4
E1/T1

Up to 32
FXS/FXO

Redundant
Power Supplies

Voice
Recording

VPN

1000 SIP Extensions
200 Concurrent Calls

Customizable IP PBX UC1500/UC2500

DINSTAR

Open Hardware Platform

X86 Architecture
CPU Selectable
Open API: Perfect Integration
Install Your Own PBX Software

High Availability

Redundant Power Supplies
Redundant MCU
Flexible Routing
PSTN Fallback

Modular Design

FXS/FXO: up to 80
E1/T1: up to 32
GSM/LTE: up to 32
Hot Swappable

Verticals Applications

Mining

Utility

Public Security

Healthcare

Education

Government

Banking & Financial Service

UC1500/UC2500

New Product

New Software IP PBX UC8000

Designed for Your Own Hardware or Virtual Server

SIP

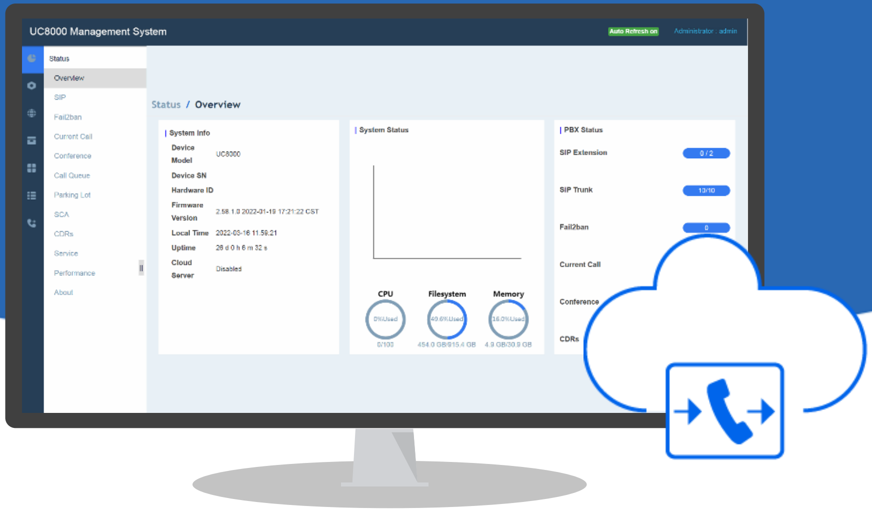
20,000 SIP Sessions

4,000
Concurrent Calls

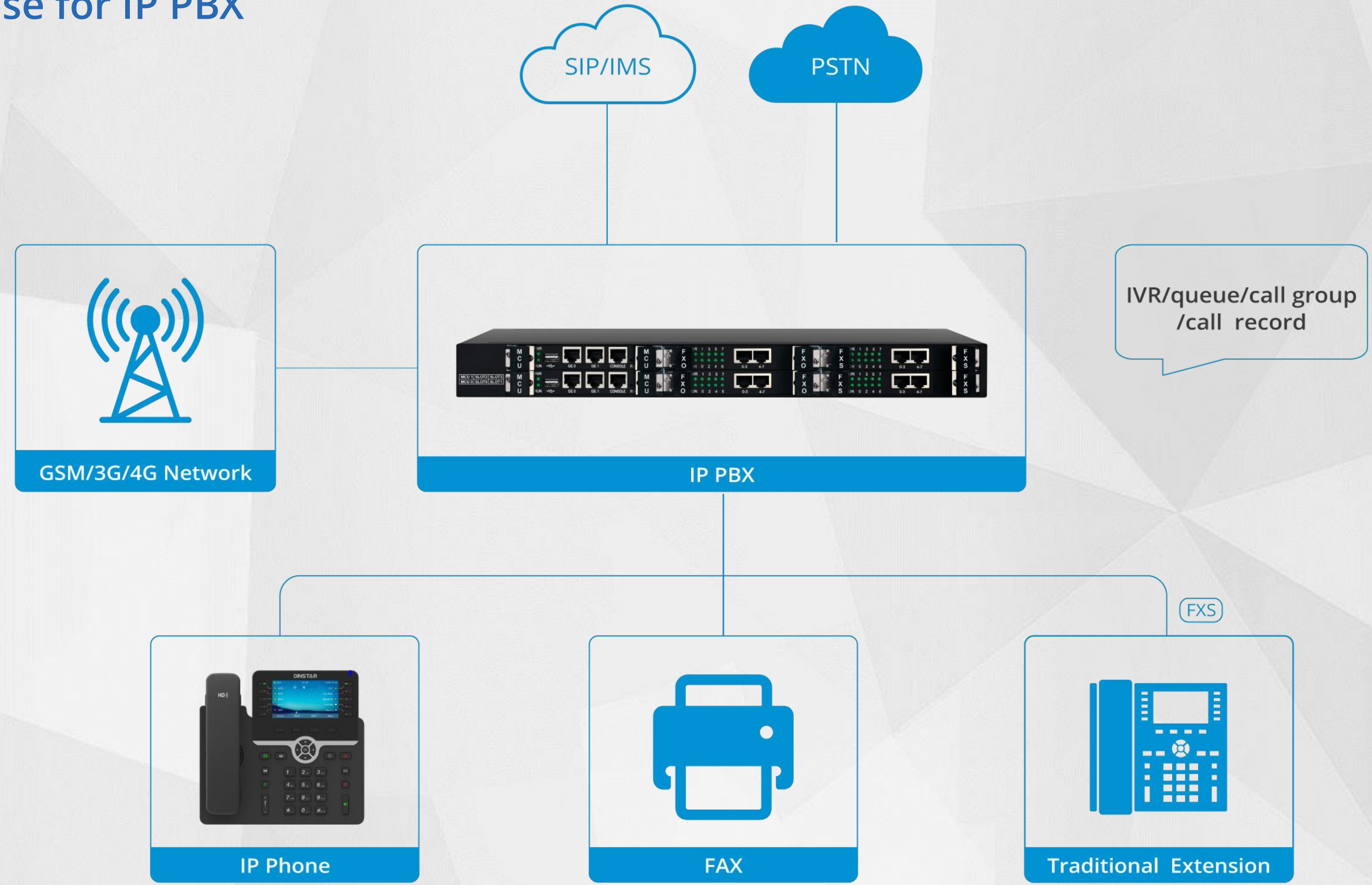
High Availability
Active/Standby

Scalable

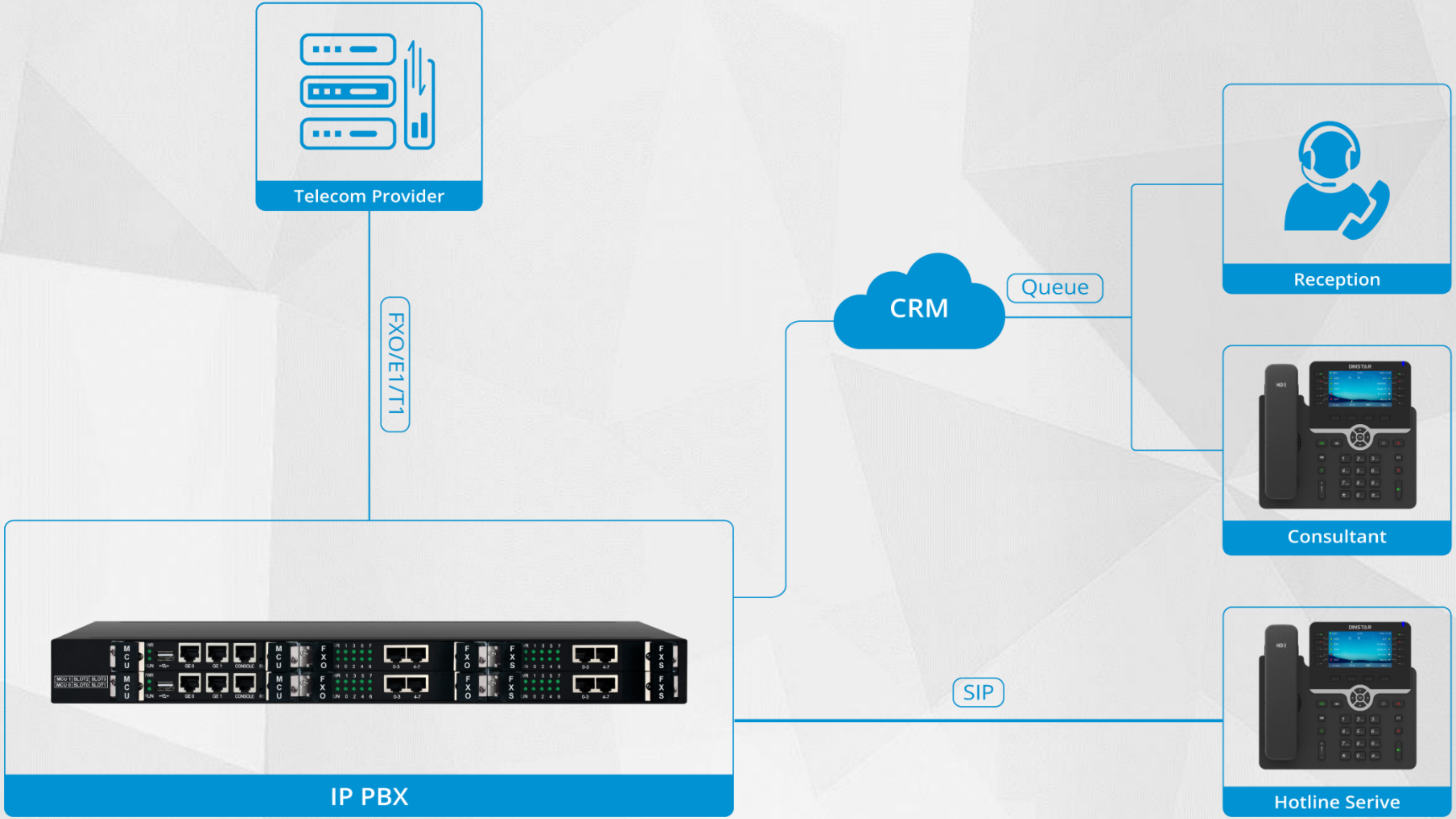
Easy
Deployment



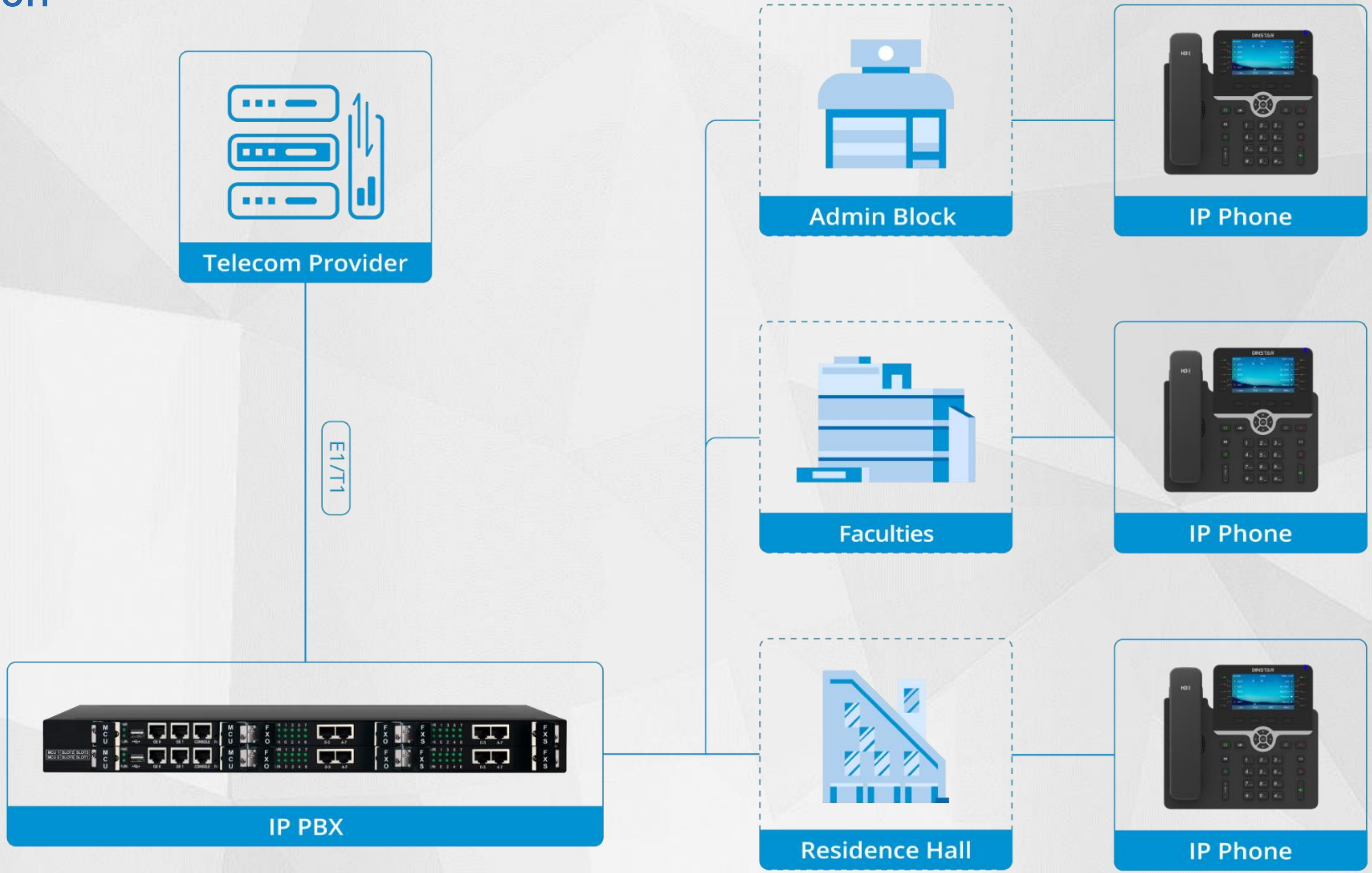
Use case for IP PBX



Support System for Banking/Insurance Companies

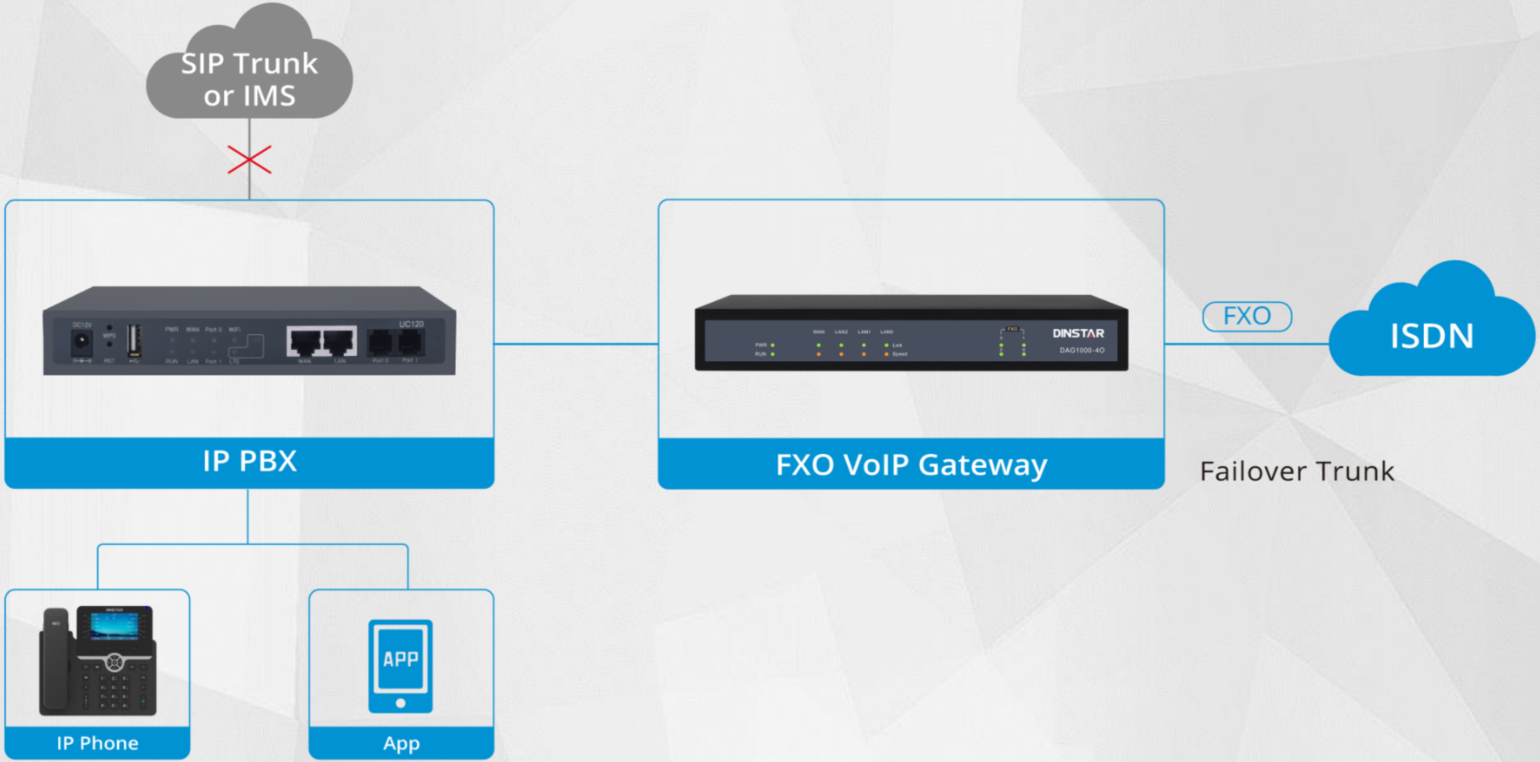


Education

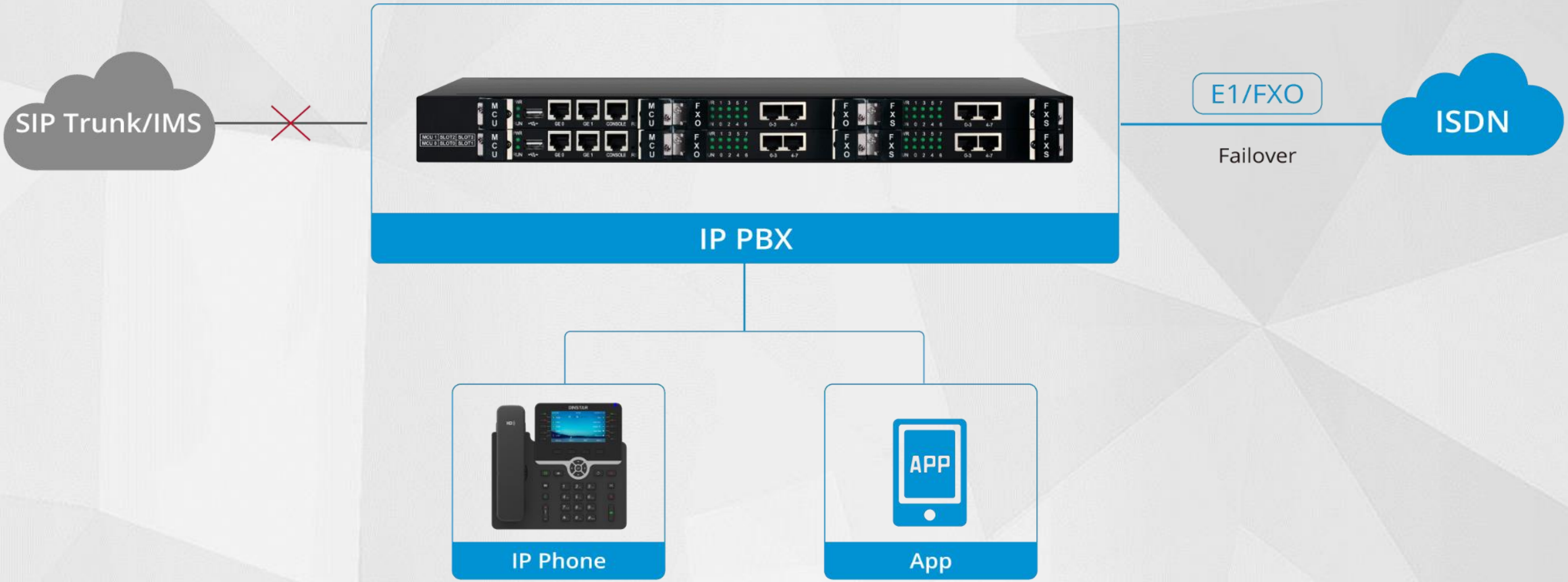


Telecom Provider
E1/T1
IP PBX
Admin Block
Faculties
Residence Hall
IP Phone
IP Phone
IP Phone

Failover Trunk



Failover Trunk



DINSTAR

IP Phone for Enterprise

IP Phone for Enterprise

Based on SIP Protocol

High-end IP Phone

C66G/GP

20 SIP Lines
50 Line Keys
6-way Conference
USB2.0*1
EHS

C64G/GP

16 SIP Lines
40 Line Keys
6-way Conference
USB2.0*1
EHS

Business IP Phone

C63G/GP

6 SIP Lines
30 Line Keys
5-way Conference
EHS

C62G/GP

6 SIP Lines
2 Line Keys
5-way Conference
EHS

Entry Level IP Phone

C61S/SP

2 SIP Lines
2 Line Keys
5-way Conference
EHS

C60S/SP

2 SIP Lines
2 Line Keys
5-way Conference
EHS

IP Phone for Enterprise

DINSTAR

High-end Business SIP Phone

C66G/C66GP

HD Voice

4.3" Graphical LCD

PoE

20 SIP Lines

6-way Conference

50 Line Keys

Wi-Fi & Bluetooth Dongle

IP Phone for Enterprise

DINSTAR

High-end Business SIP Phone

C64G/C64GP

- HD Voice
- 3.5” Graphical LCD
- PoE
- 16 SIP Lines
- 6-way Conference
- 40 Line Keys

IP Phone for Enterprise

DINSTAR

SIP Phone for SMEs

C63G/C63GP

- HD Voice
- 2.8” Graphical LCD
- PoE
- 6 SIP Lines
- 5-way Conference
- 30 Line Keys

IP Phone for Enterprise

Entry Level IP Phone

C62G/C62GP

- HD Voice
- 2.4” Graphical LCD
- PoE
- 6 SIP Lines
- 5-way Conference
- 2 Line Keys

IP Phone for Enterprise

Entry Level IP Phone

C61S/C61SP

- HD Voice
- 2.3” Graphical LCD
- PoE
- 2 SIP Lines
- 5-way Conference
- 2 Line Keys

IP Phone for Enterprise

DINSTAR

Entry Level IP Phone

HD Voice

2.3” Graphical LCD

PoE

2 SIP Lines

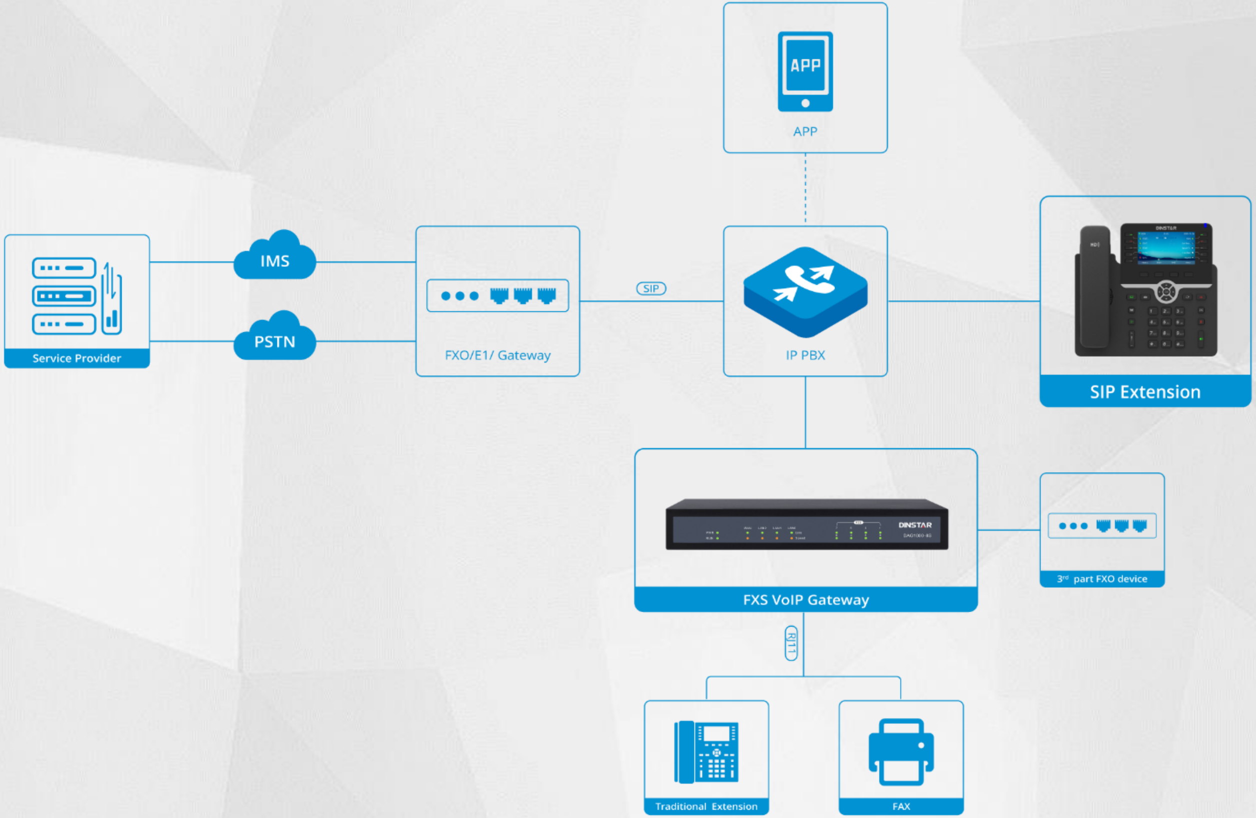
5-way Conference

2 Line Keys

Model	C60U/C60UP	C60S/C60SP	C60L/C60LP
Ethernet Port	2	2	1
Backlight	√	x	x

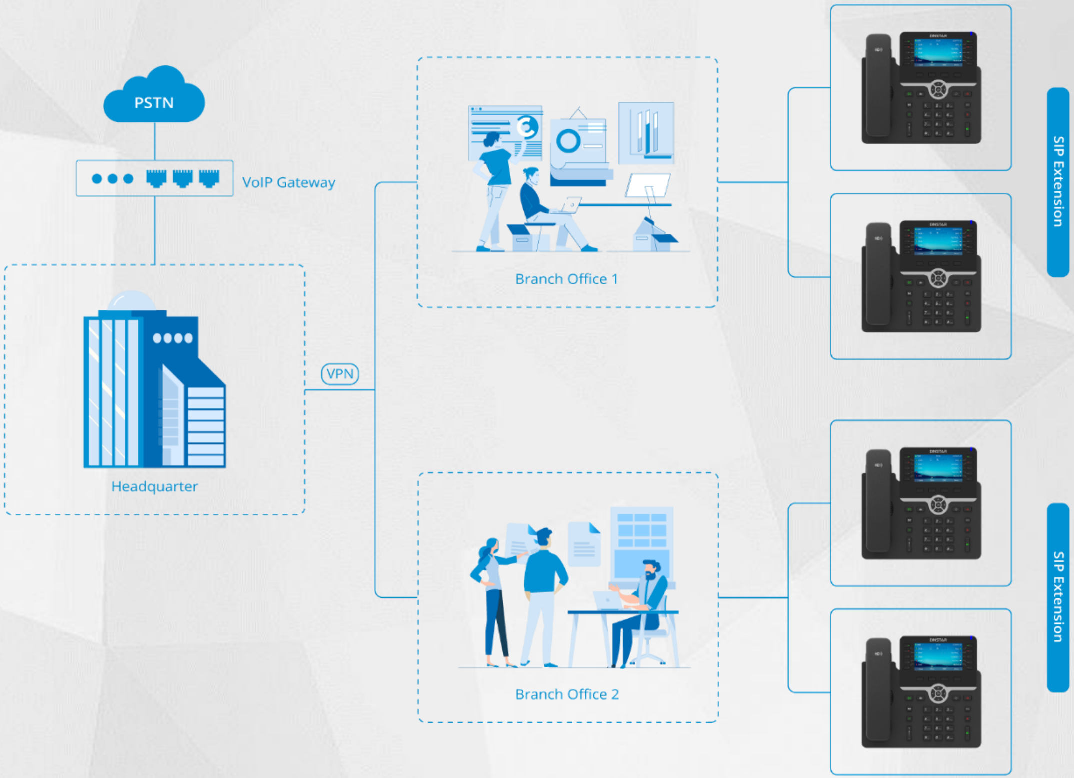
Use Case for IP Phone

SIP phones can be used for any SIP based IPPBX , paging system and UC solutions. In general purpose, SIP phones must work with IPPBX through registering SIP accounts. They can work with DINSTAR IPPBX or other's brands with IP/SIP.



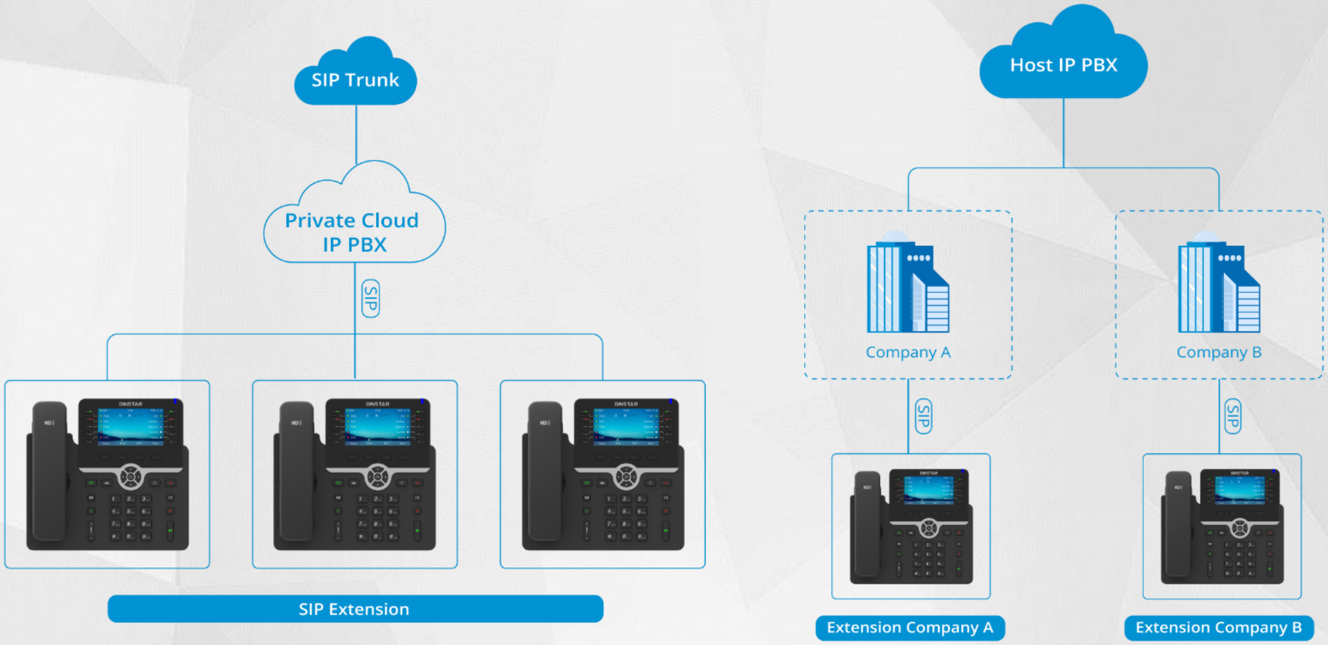
Headquarter and Branch Office Connection by VPN

Headquarter IPPBX can be connected by VPN or SIP trunk. The diagram below uses VPN connecting with different locations and branch offices. SIP phones can be easily setup by using VPN feature in SIP phones or by VPN provided by headquarter. There is no extra cost charged.



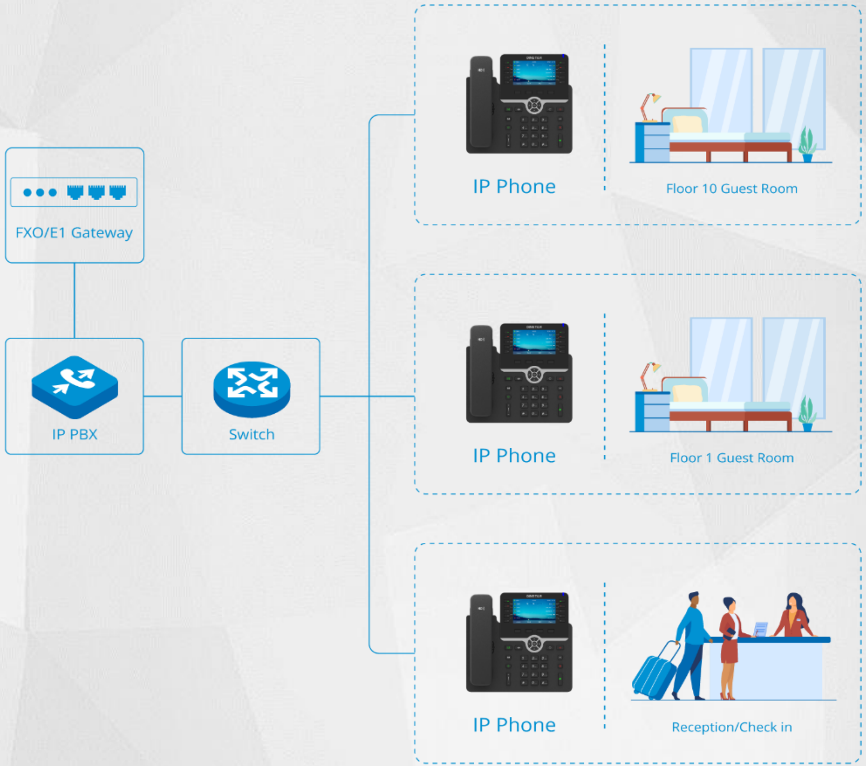
Cloud IPPBX/UC Service and Hosting IPPBX Using IP Phones

DINSTAR IP Phone supports kinds of cloud based IPPBX/UC or hosting service solution.



Hotel System with Guest Rooms

With the Hotel IPPBX, each guest room can setup a sip extension for the room with room number. Check-in also can be used to call each room. guests can make any call through IPPBX. In the hotel IPPBX, the sip can be used for internal calls, wakeup call service and paging if it is necessary. The incoming calls can be handled by receptions or IPPBX IVR with hotel PMS system.



IP Based Intercom/Paging System

The Intercom/paging system can use SIP phone as a terminal to play voice broadcasting.

Analog VoIP Gateway

Analog VoIP Gateway

Elastix and Broadsoft Certified

DINSTAR

DAG1000/DAG2000

1/2/4/8/16/24/32 Ports FXS

2/4/8/16 Ports FXO

4/8 Ports FXS/FXO Hybrid

DAG2500

48/64/72 Ports FXS

50 PIN Telco connectors

DAG3000

32 FXS/FXO

128 Ports FXS

128 Ports FXO

SIP

IMS

IPv6

Auto provisioning

TR069

3-way Conference

T.38 Fax

TLS / SRTP

DINSTAR

GE&SFP FXS VoIP Gateway

4 FXS

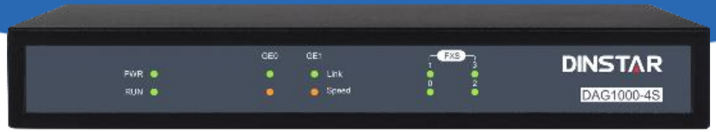
Gigabit Ethernet

HD Voice

IPv6

SIP TLS / SRTP

DAG1000-4S(GE)



DINSTAR

High-end Analog VoIP Gateway

32 FXS / FXO

Modular Design

Gigabit Ethernet

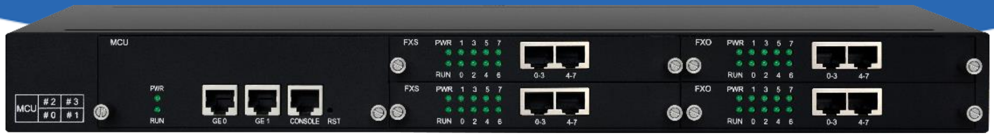
HD Voice

IPv6

SIP TLS / SRTP

Powerful CPU

DAG3000-32S/O



DINSTAR

High-density Analog VoIP Gateway

DAG3000-128S/O

128 Ports

Modular Design

Gigabit Ethernet

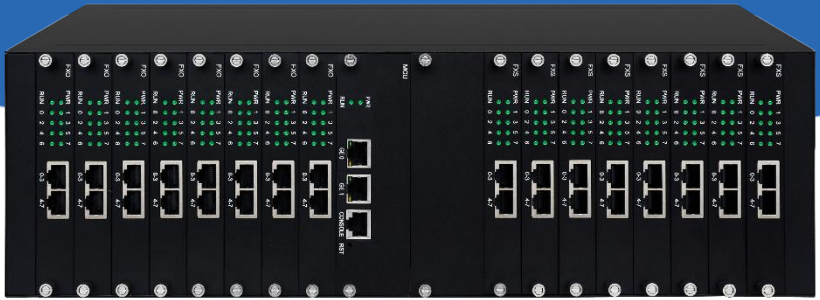
Redundant Power Supplies

Powerful CPU

HD Voice

IPv6

SIP TLS / SRTP



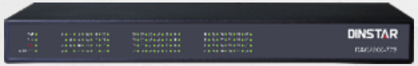
Analog VoIP Gateway

2022 Q3

DAG1000-2S2O/DAG1000-2O

2 Ports FXO

2 FXS, 2 FXO Hybrid



DAG2500-96S

96 Ports FXS

6 User Boards

1U Size

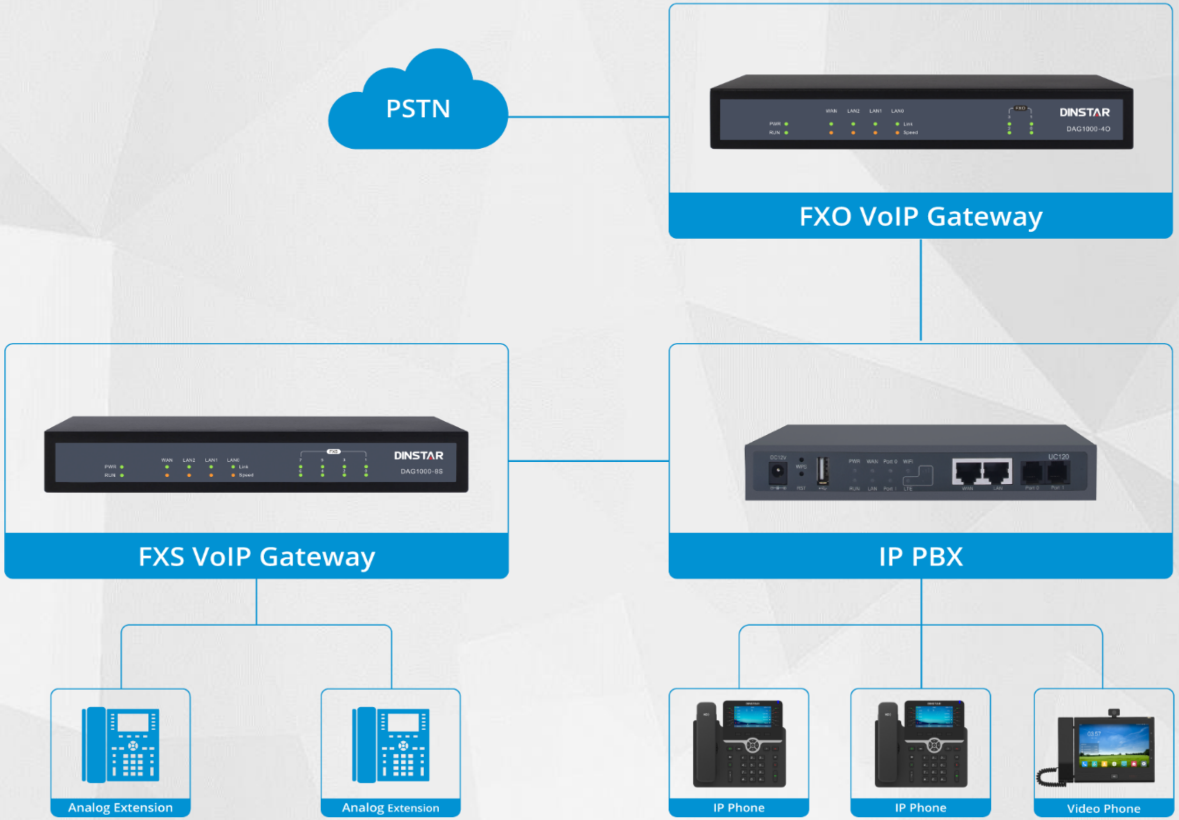
DAG3000-320S

320 Ports FXS

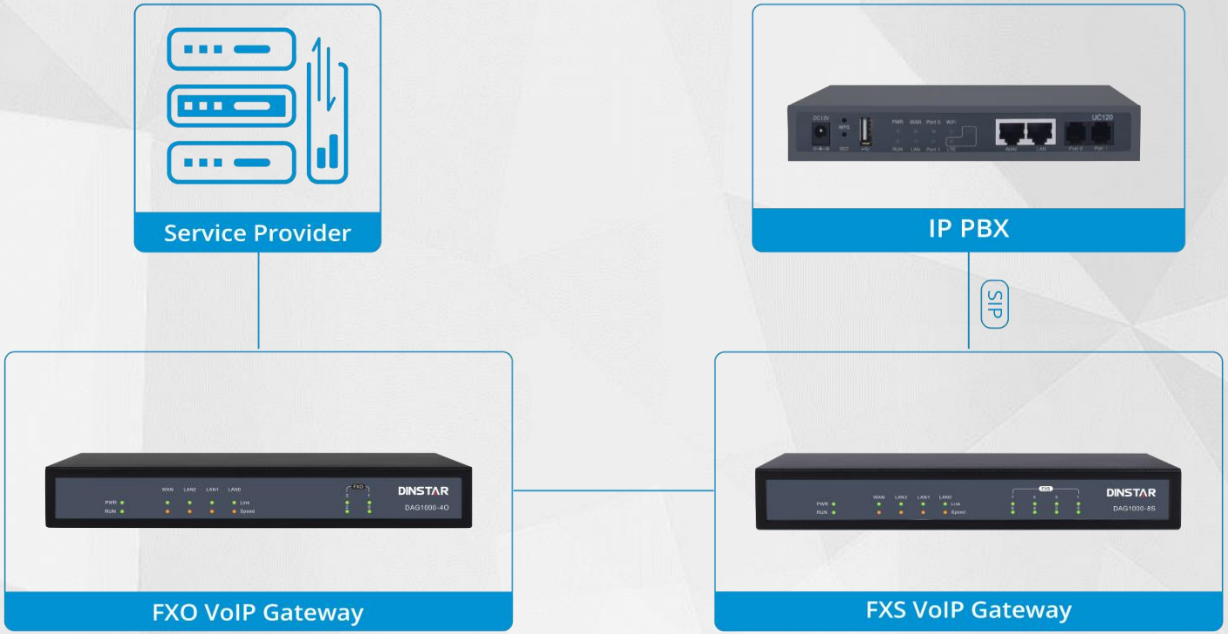
10 User Boards

4U Size

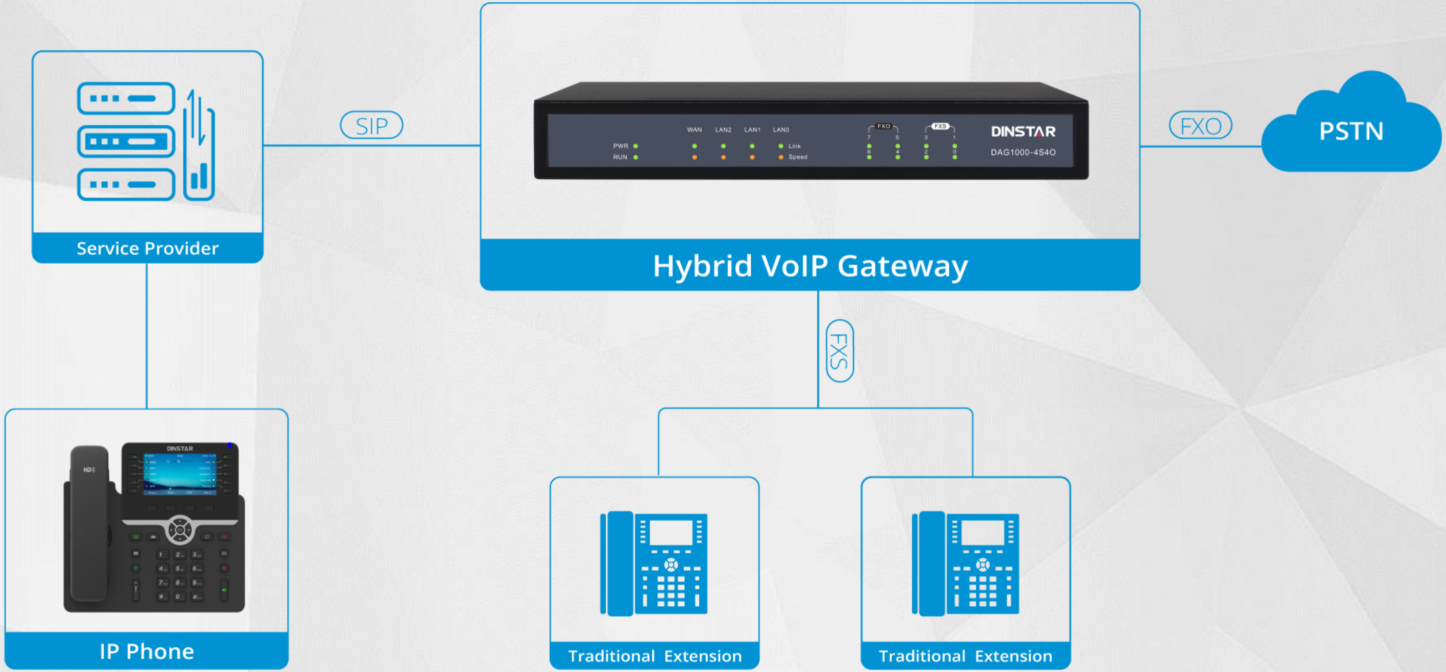
Use Case for Analog VoIP Gateway



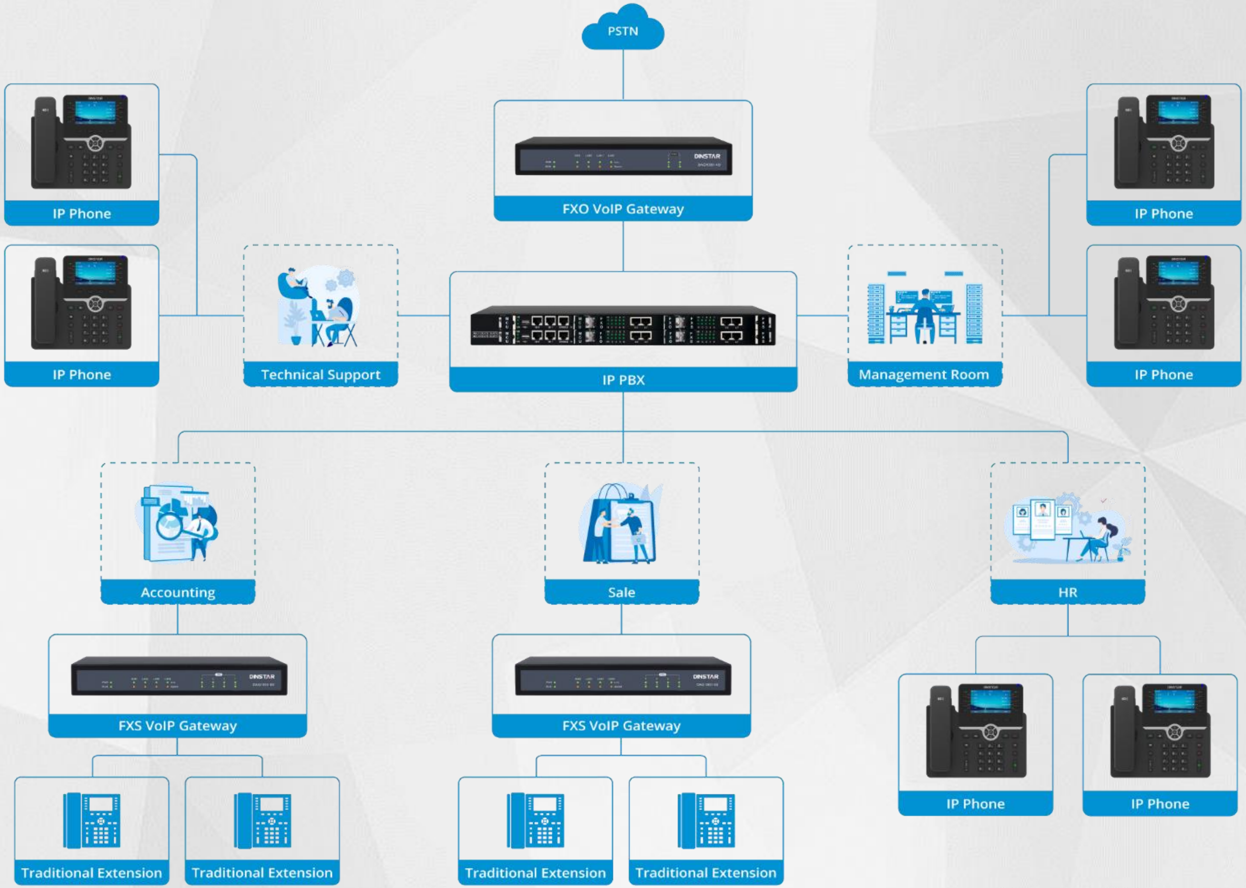
Use Case for FXO VoIP Gateway



Use Case for Hybrid VoIP Gateway



Typical Scenario in the Enterprise Workplace



Call Center in Many Sectors

Digital VoIP Gateway

Digital VoIP Gateway

DINSTAR

MTGG200/MTG1000

1/2 * E1/T1

Up to 60 Concurrent Calls

MTG2000/MTG2000B

4/8/12/16/20 * E1/T1

Up to 600 Concurrent Calls

MTG3000

16/32/48/63 E1 Ports

Up to 1890 Concurrent Calls

MTG5000/MTG5000B

64 * E1/T1

Up to 1920 Concurrent Calls

E1/T1

SS7

SIP/SIP-T/PRI
SS7/R2 MFC

Echo Cancellation
up to 128ms

Web Interface,
SNMP, Cloud NMS

Codec

G.711, G.729, G.723,
iLBC, AMR

FAX

T.38 Fax

Enterprise Media Gateway

MTG200

Desktop-sized

MTG1000

1U Rack-mountable

1/2 * E1/T1

SIP/SIP-T/PRI
SS7/R2 MFC

Echo
Cancellation
up to 128ms

Web Interface,
SNMP,
Cloud NMS

Up to 60
Concurrent
Calls

G.711,
G.729, G.723,
iLBC, AMR

T.38 Fax

Carrier Grade Media Gateway

DINSTAR

High-end MTG2000/MTG2000B

Rack-Mountable, HA

4/8/12/16/20
E1/T1

Modular
Design

Dual Gigabit
Ethernet Ports

ISDN PRI, SS7,
SIP UDP/TCP

Up to 600
Concurrent Calls

Redundant
Power Supplies

T.38 Fax

1+1 Mainboard
Redundancy
(MTG2000B)

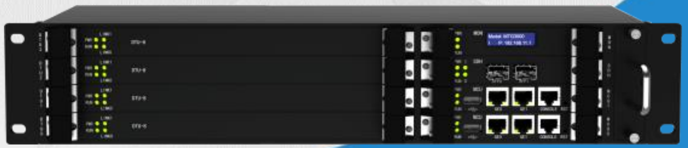
Carrier Grade Media Gateway

DINSTAR

MTG3000 STM-1 Media Gateway

SDH 155M, 16/32/48/63* E1

- Modular Design
- 1890 Concurrent Calls
- 16/32/48/63 E1 Ports
- Redundancy Uplink GE
- ISDN PRI, SS7, SIP UDP/TCP
- Redundant Power Supplies
- 1+1 Mainboard Redundancy
- STM-1
- T.38 Fax



New Product

DINSTAR

MTG5000/MTG5000B Electrical Port Media Gateway

RJ48C, 64* E1

Modular Design

1920 Concurrent Calls

64 E1 Ports

Redundancy Uplink GE

ISDN PRI, SS7, SIP UDP/TCP

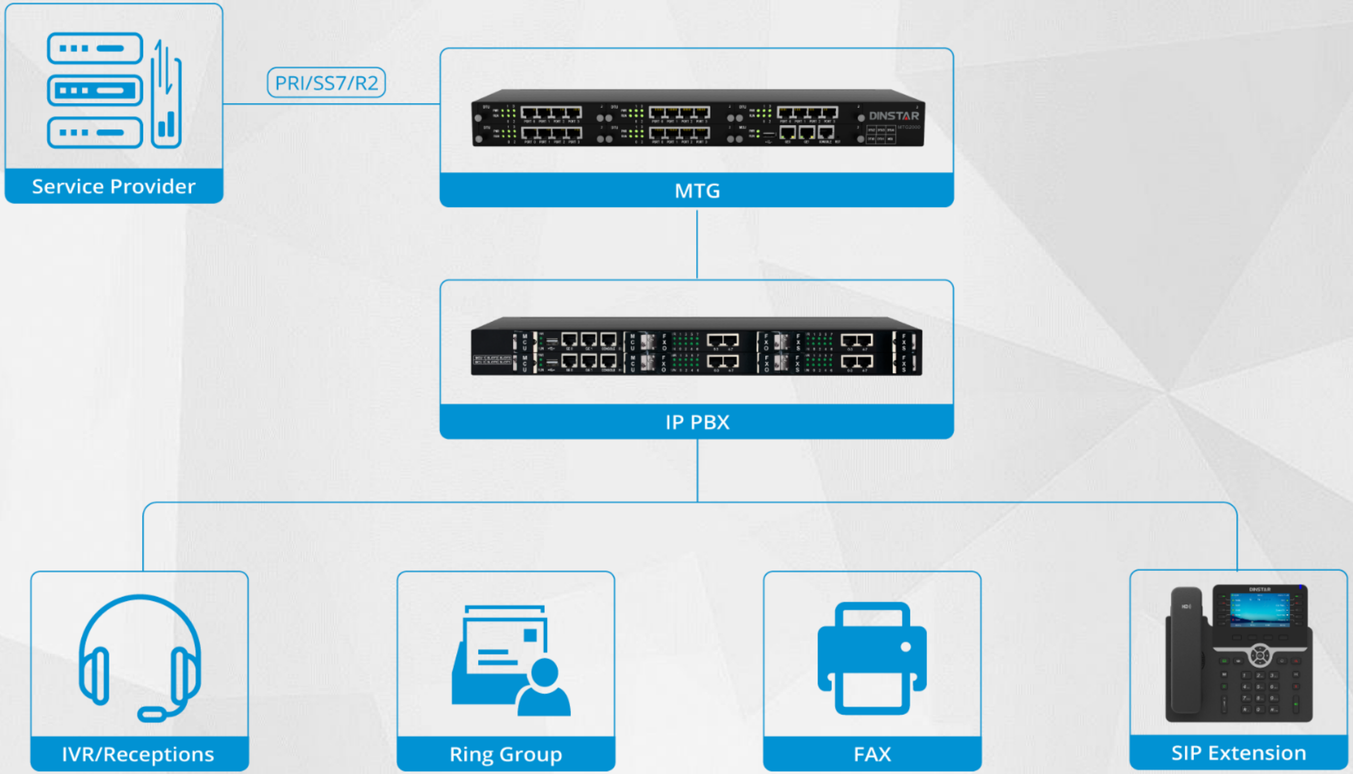
Redundant Power Supplies

T.38 Fax

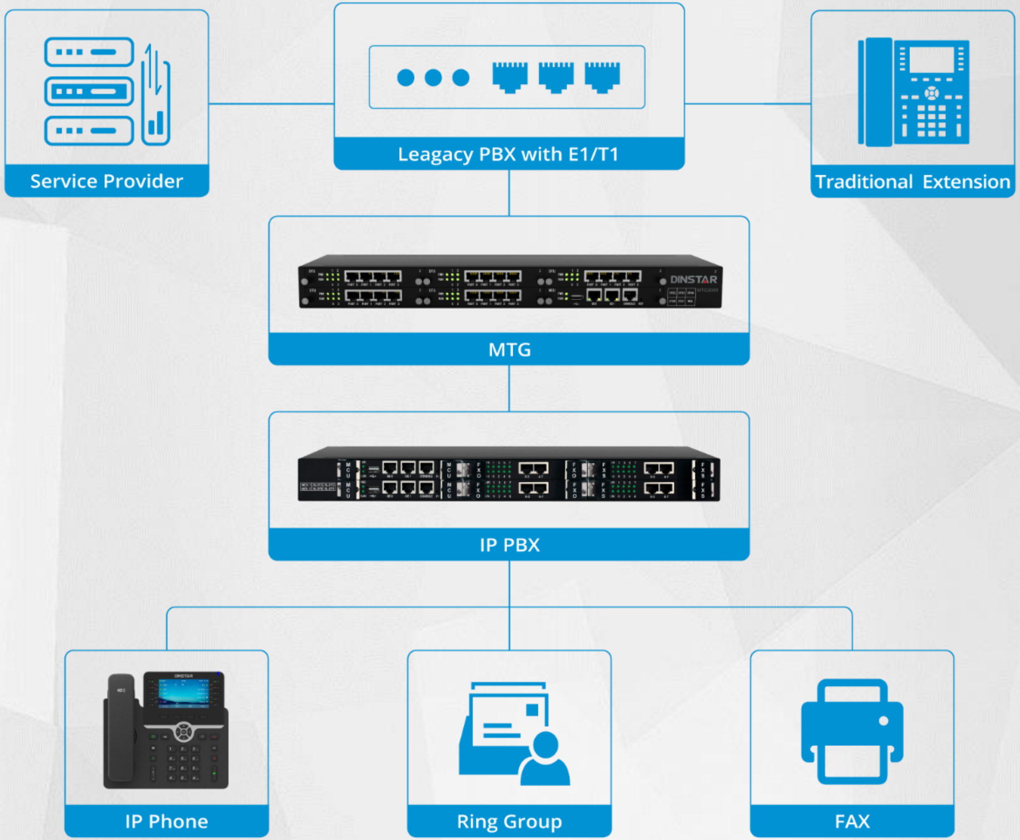
RJ48C

1+1 Mainboard Redundancy (MTG5000B)

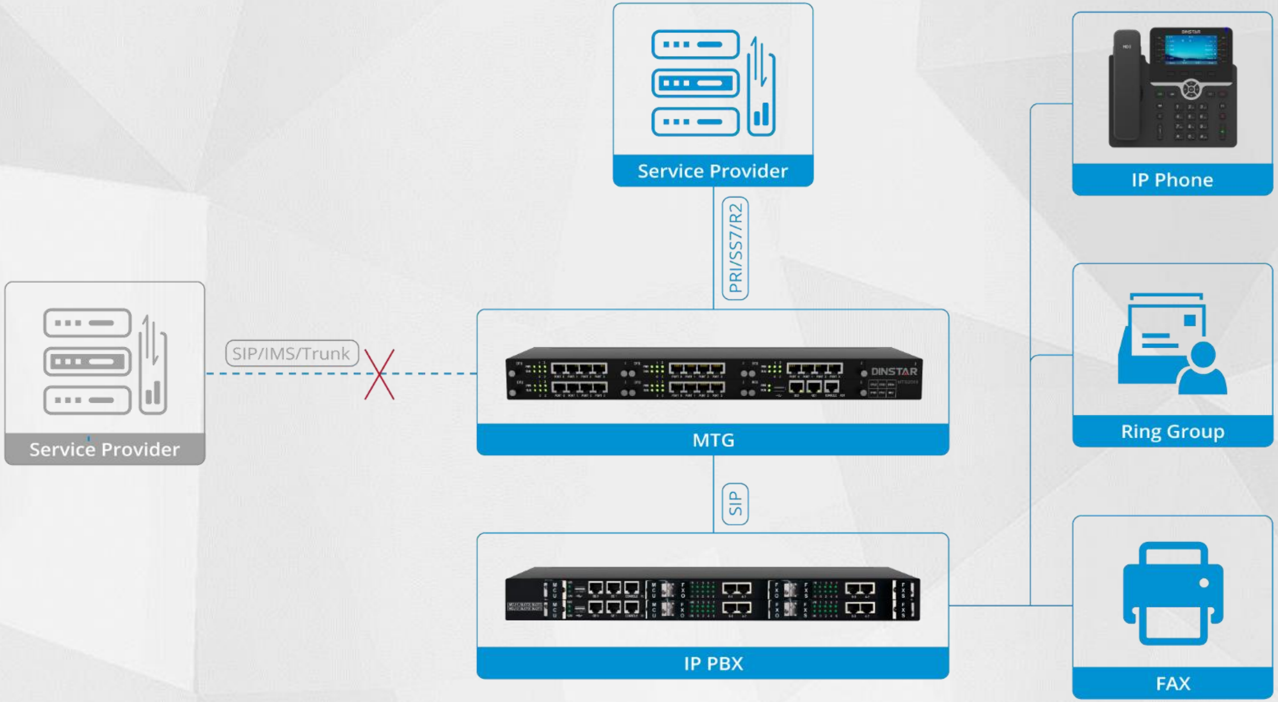
Typical Scenarios for Digital VoIP Gateways



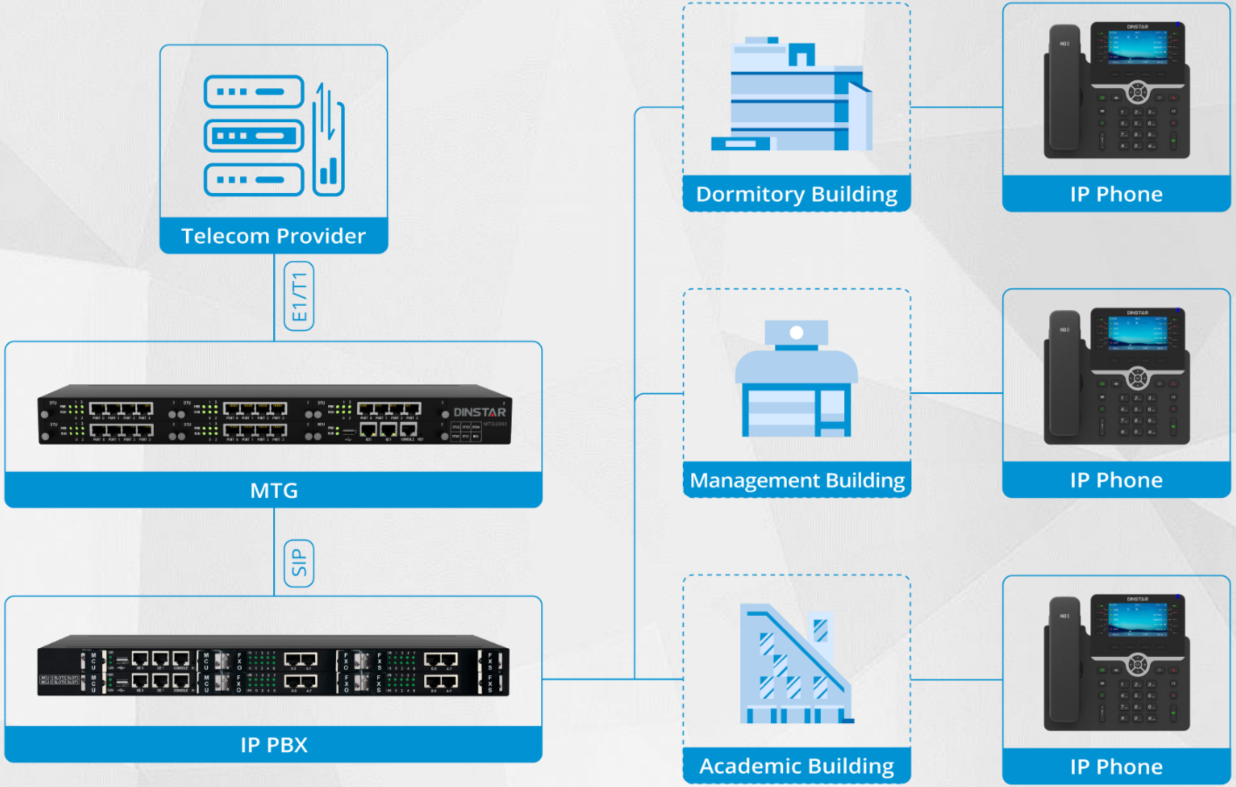
Connecting with Legacy E1/T1 Device or PBX/ Phone System



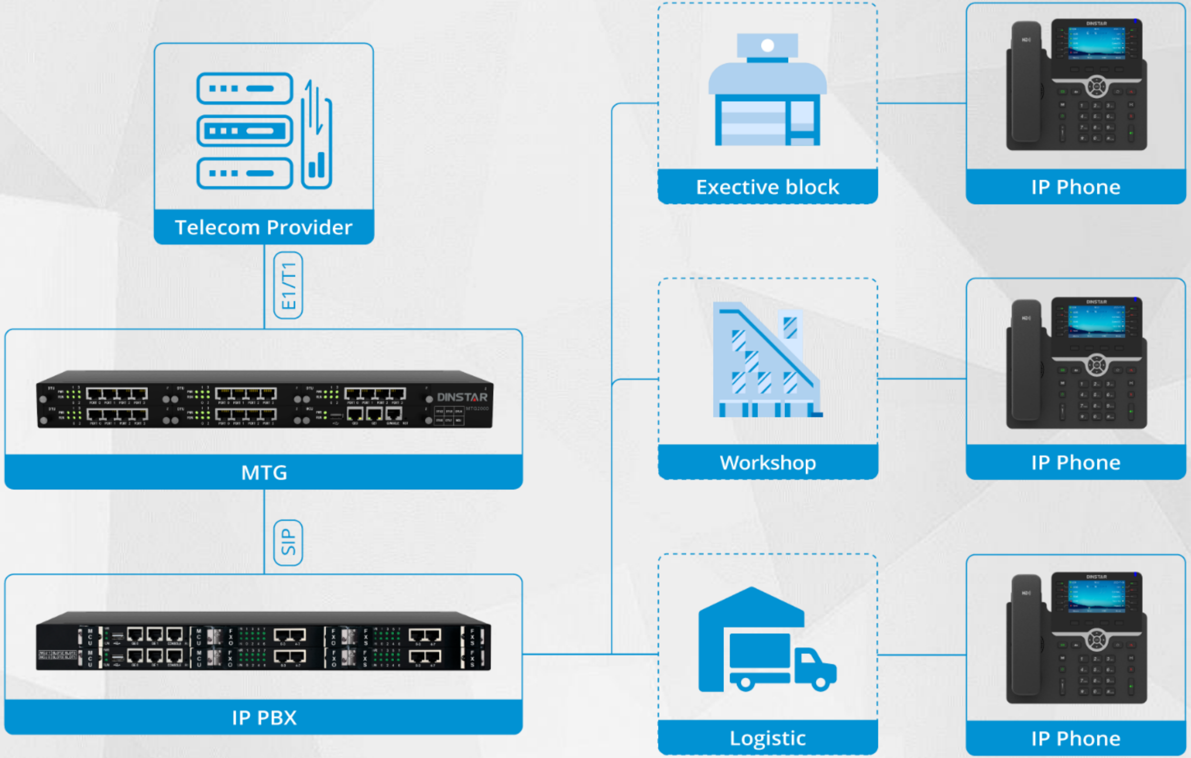
SIP/IMS Fail-over with E1/T1



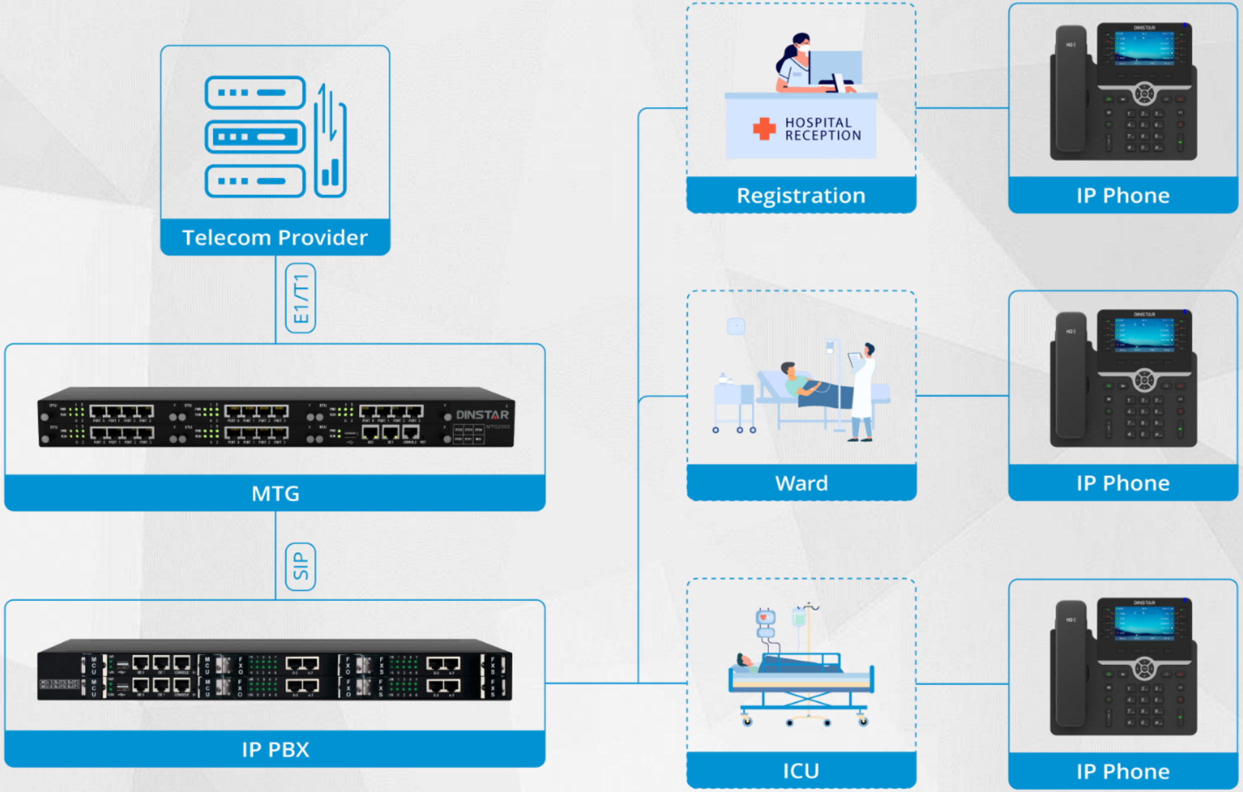
School/University Campus Phone System



Connect with a Phone System for Manufacturers



Work with Phone Systems in Hospitals



Session Border Controller

Session Border Controller

DINSTAR

Security

SIP Firewall
SIP TLS/SRTP
Anti DDoS Attack
Access Control

Topology Hiding
Endpoint Authentication
SIP Intrusion Prevention
SIP Malformed Packet Protection

Resiliency

HA

High Availability
SIP Trunk Load Balancing
Alternative Routing

Session Control

Traffic Control
Registration / Call Rate Limiting
Flexible Routing
QoS

WebRTC

WebRTC

WebRTC Gateway

Reverse HTTP Proxy

Interoperability

SIP Header Manipulation
SIP Message Manipulation
B2BUA
IPv4 – IPv6
Transcoding

Session Border Controller

DINSTAR

SBC300

SMB SBC

- 5 to 50 SIP sessions
- Up to 50 transcoding calls
- 25 calls per second at maximum
- Maximum SIP registrations: 1000
- 20 Registration per second

SBC1000

Enterprise SBC

- 50 to 500 SIP sessions
- Up to 200 transcoding calls
- 25 calls per second at maximum
- Maximum SIP registrations: 5000
- 25 Registration per second

SBC3000

Carrier SBC

- 500 to 2000 SIP sessions
- Up to 1200 transcoding calls
- 200 calls per second at maximum
- Maximum SIP registrations: 10000
- 200 Registration per second

2022 Unified Communications Product of the Year Award

INTERNET TELEPHONY MAGAZINE

TMC, a global, integrated media company helping clients build communities in print, in person and online, has named our Session border Controller as a 2022 Unified Communications Product of the Year Award winner.

“It gives me great pleasure to honor **DINSTAR** as a 2022 recipient of ***TMC’s Unified Communications Product of the Year Award*** for their innovative solution, ***Session border Controller,***” said Rich Tehrani, CEO, TMC. “Our judges were very impressed with the ingenuity and excellence displayed by DINSTAR in their groundbreaking work on Session border Controller.”

New Product

New Software SBC8000

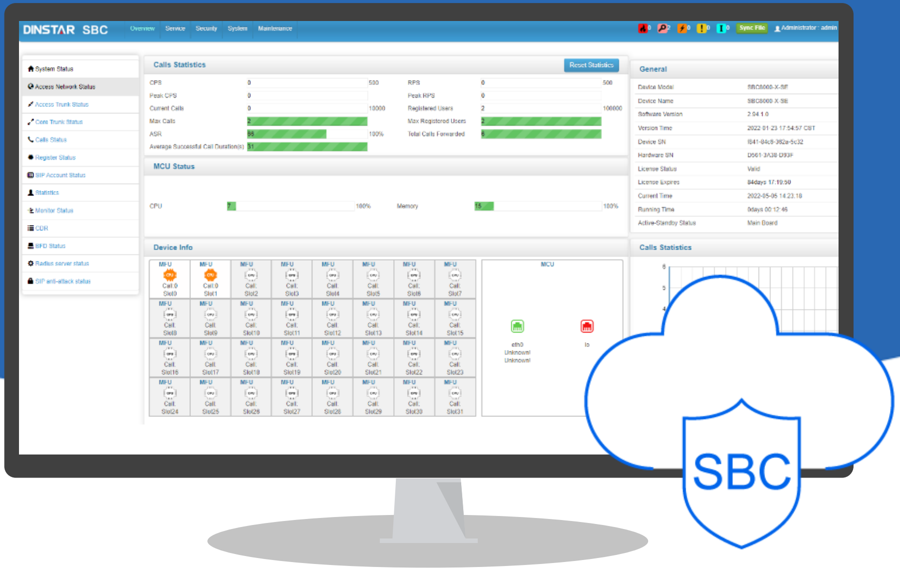
SIP
10,000 SIP Sessions

G.729 Codec G.711
5,000
Transcoding Sessions

High Availability

WebRTC
WebRTC

IPv6
IPv6 / IPv4



Roadmap

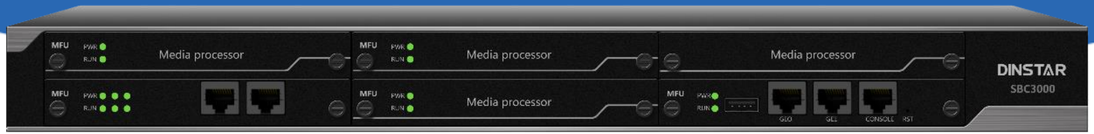
SBC3000 V2.0

SIP

G.729 Codec G.711

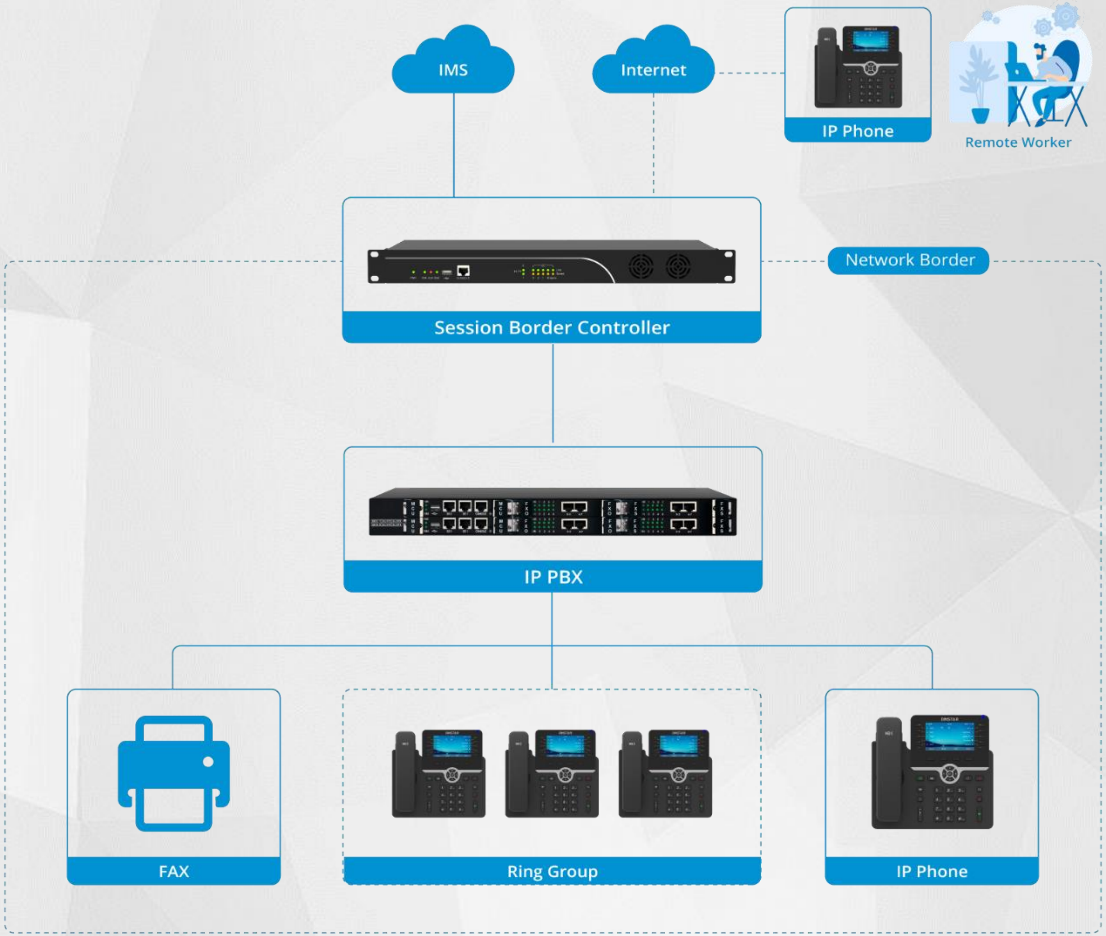
WebRTC

- 4000 SIP Sessions
- 1500 Transcoding Sessions
- 8 Gigabit Ethernet Ports
- SIP TLS / SRTP
- WebRTC

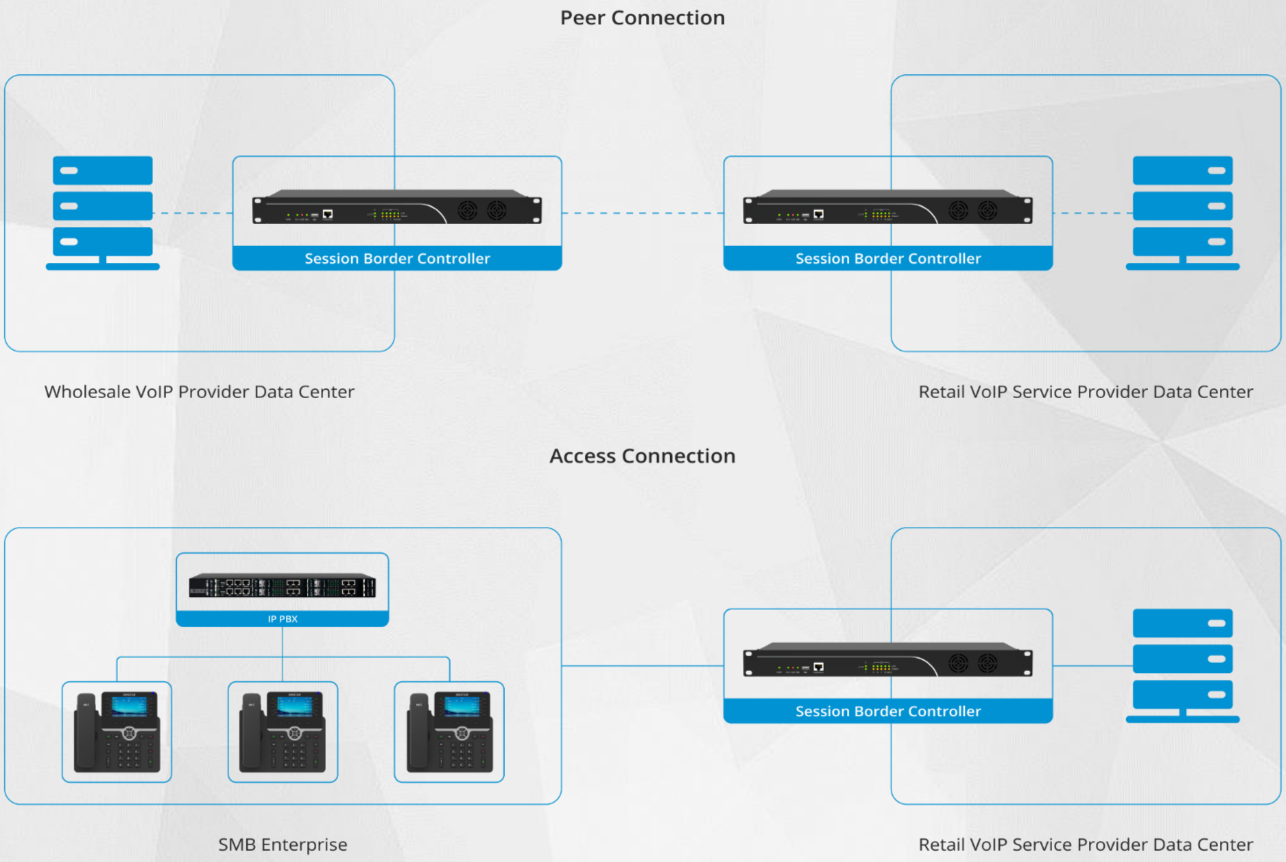


2022, Q4

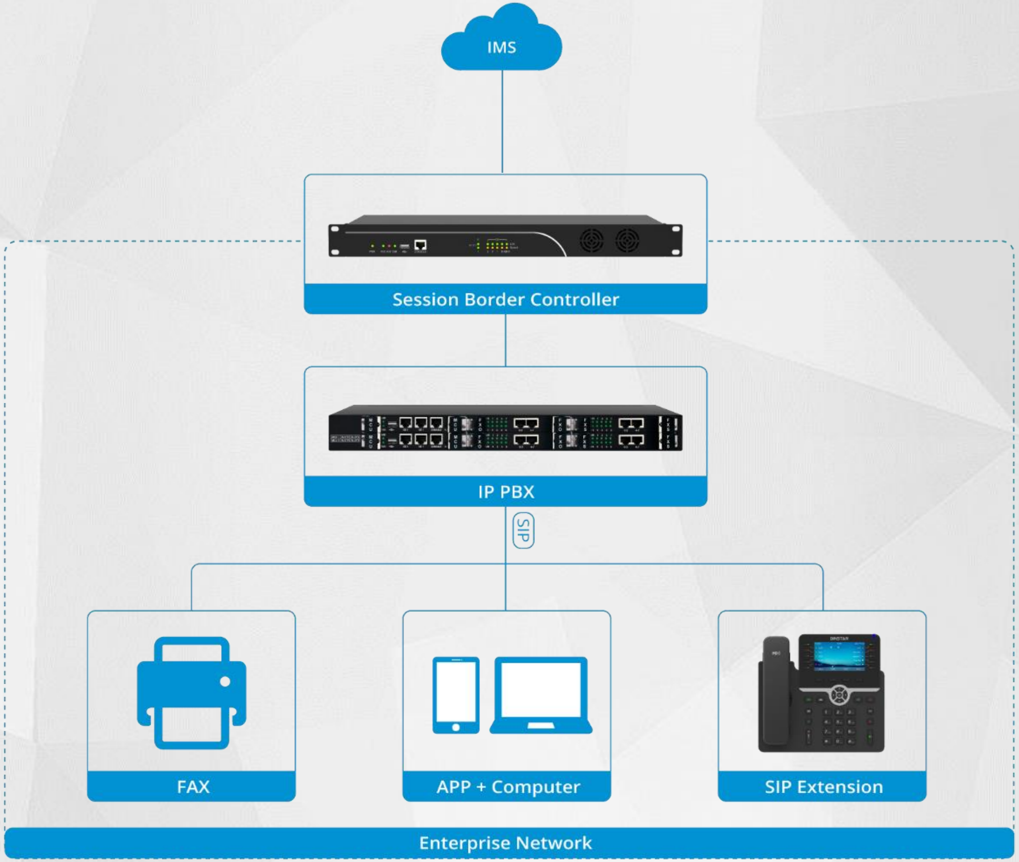
Use Case for SBC



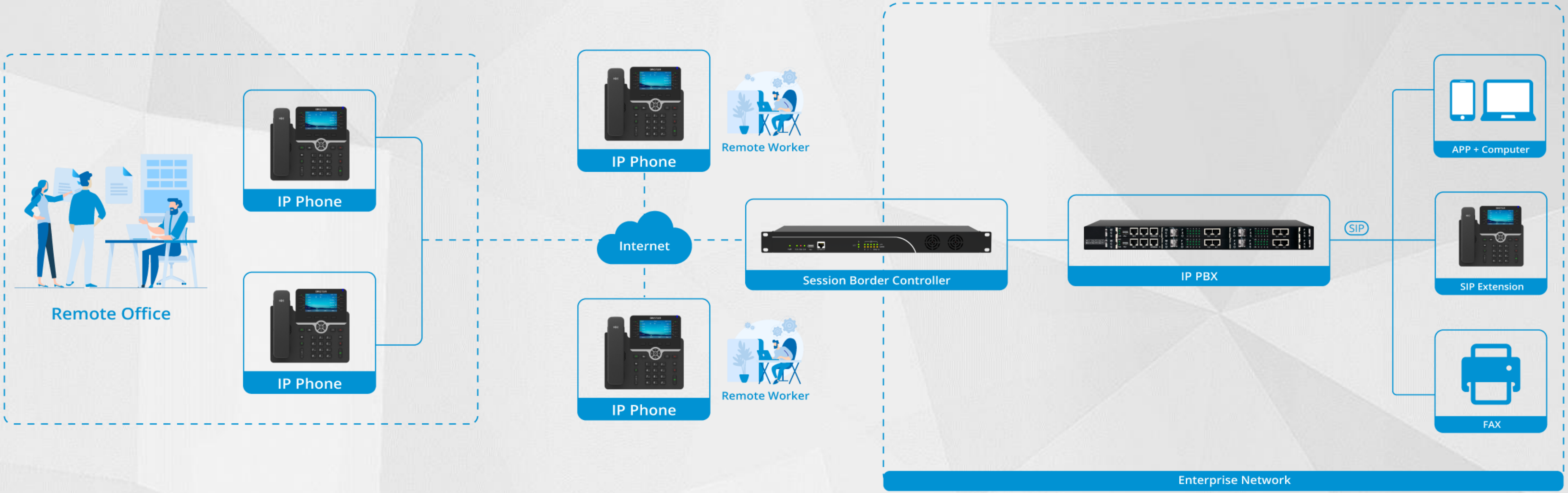
Peer and Access Connection by Using SBC



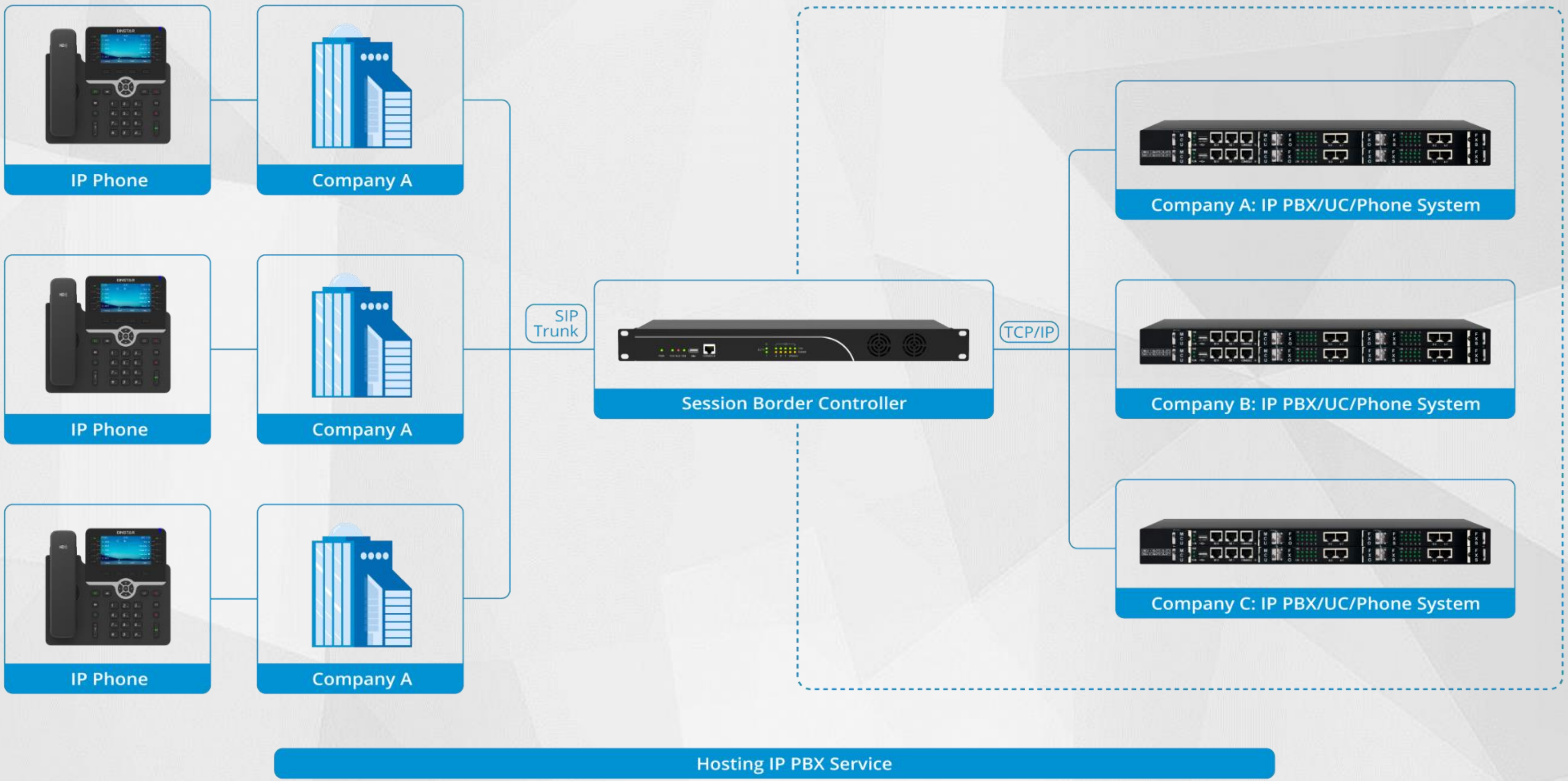
Enterprise IPPBX/UC Connects SIP Trunk/IMS through SBC for the Security Purpose



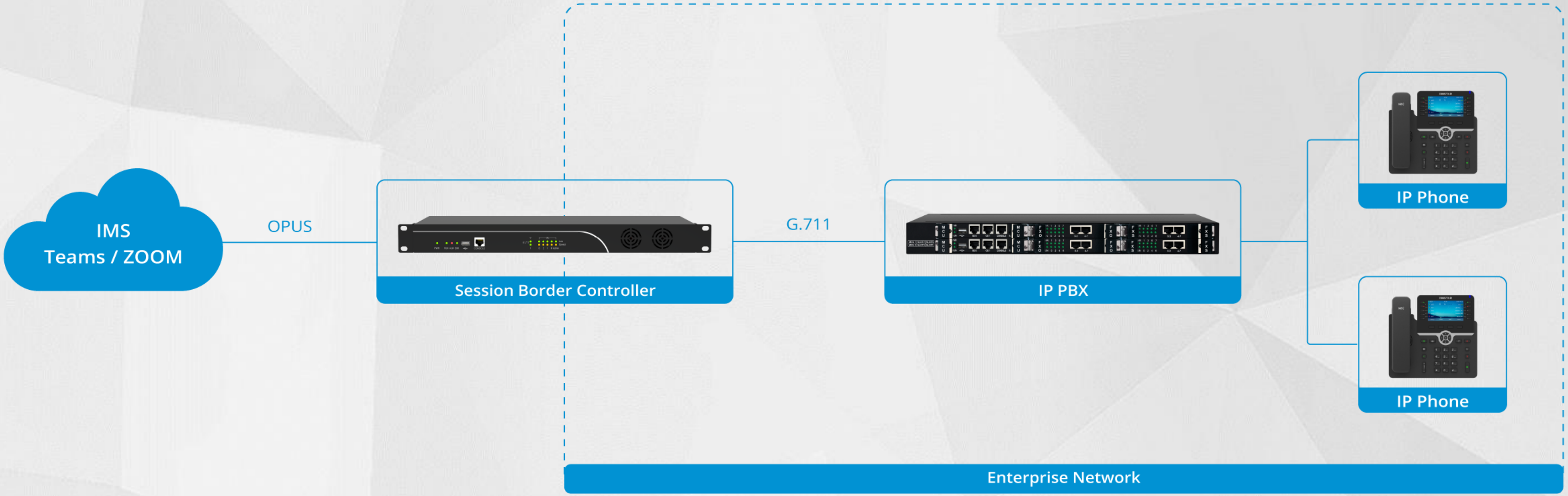
Remote Offices and Workers Connect Enterprise IPPBX through SBC



Hosting IPPBX/UC Service through SBC



SIP Trunk with Codecs Transcoding



GSM
VoIP Gateway

GSM/4G VoIP Gateway

UC2000-VE/UC2000-VF

- 4/8/16 Channels GSM/LTE
- 10/100Mbps

UC2000-VG/UC2000-VH

- 32/64 Ports GSM/LTE
- Gigabit Ethernet
- LCD Display

Multi-SIM VoIP Gateway

- 8/16 /32 GSM/LTE Channels
- 4 SIM Slots Per Channel, SIM Rotation

VoLTE

GSM

HD audio

SMS

Remote SIM Management

OpenVPN

SMS API

DINSTAR

GSM/LTE VoIP Gateway

DINSTAR

VoLTE

SMS Receiving/Sending

UC2000-VE

4/8 Channels GSM/LTE

Open API for SMS/USSD

GSM/LTE

Remote SIM Management
(SIMBank & SIMCloud)

Next Generation GSM VoIP Gateway

DINSTAR

UC2000-VF-16G/T

16 Ports GSM/LTE

VoLTE

GSM

HD audio

SMS

Powerful CPU

Gigabit Ethernet

OpenVPN

Next Generation GSM VoIP Gateway

DINSTAR

UC2000-VG-32G/T

32 Ports GSM/LTE

LCD

VoLTE

GSM

Powerful CPU

SMS

Gigabit Ethernet

HD audio

OpenVPN

LCD Display

Next Generation GSM VoIP Gateway

DINSTAR

UC2000-VH-64G

64 Ports GSM

- LCD
- GSM
- Gigabit Ethernet
- SMS
- HD audio
- OpenVPN
- Powerful CPU

LCD Display

Multi-SIM VoIP Gateway

DINSTAR

UC2000-VF / UC2000-VG

8/16/32
GSM/LTE Channels

4 SIM Slots/Channel,
SIM Rotation

SMS

VoLTE

Open API for
SMS/USSD

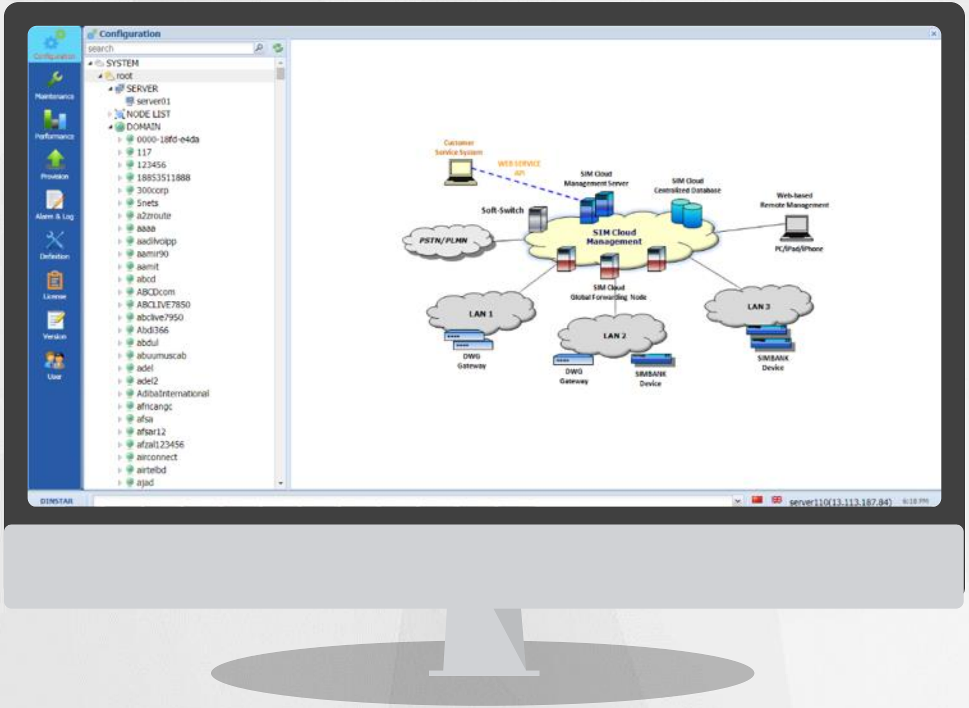
SIMCloud & SIMBank

Remote & Centralized SIMs Management

DINSTAR

SIMCloud

SIM Server Software



SIMBank

64/128 SIM slots

Auto Recharge

Centralized Management

Scalable

SIM Allocation

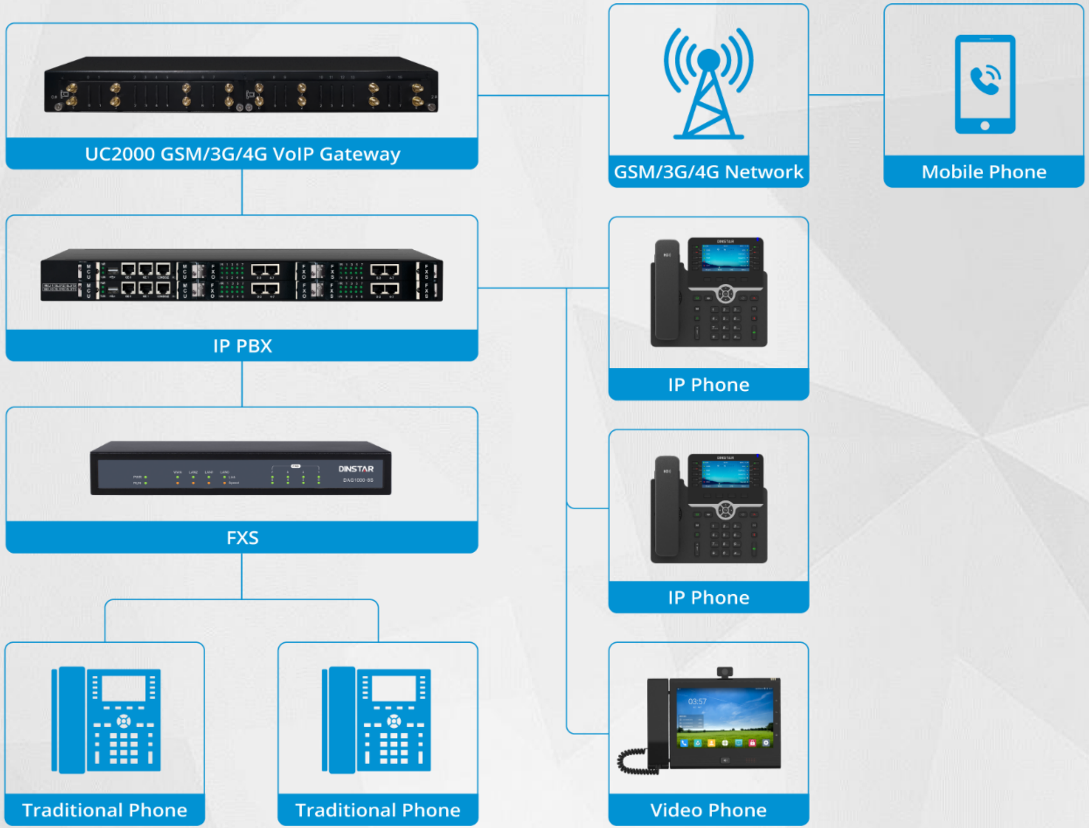
Human Behavior

API

Security

Bandwidth Optimizer

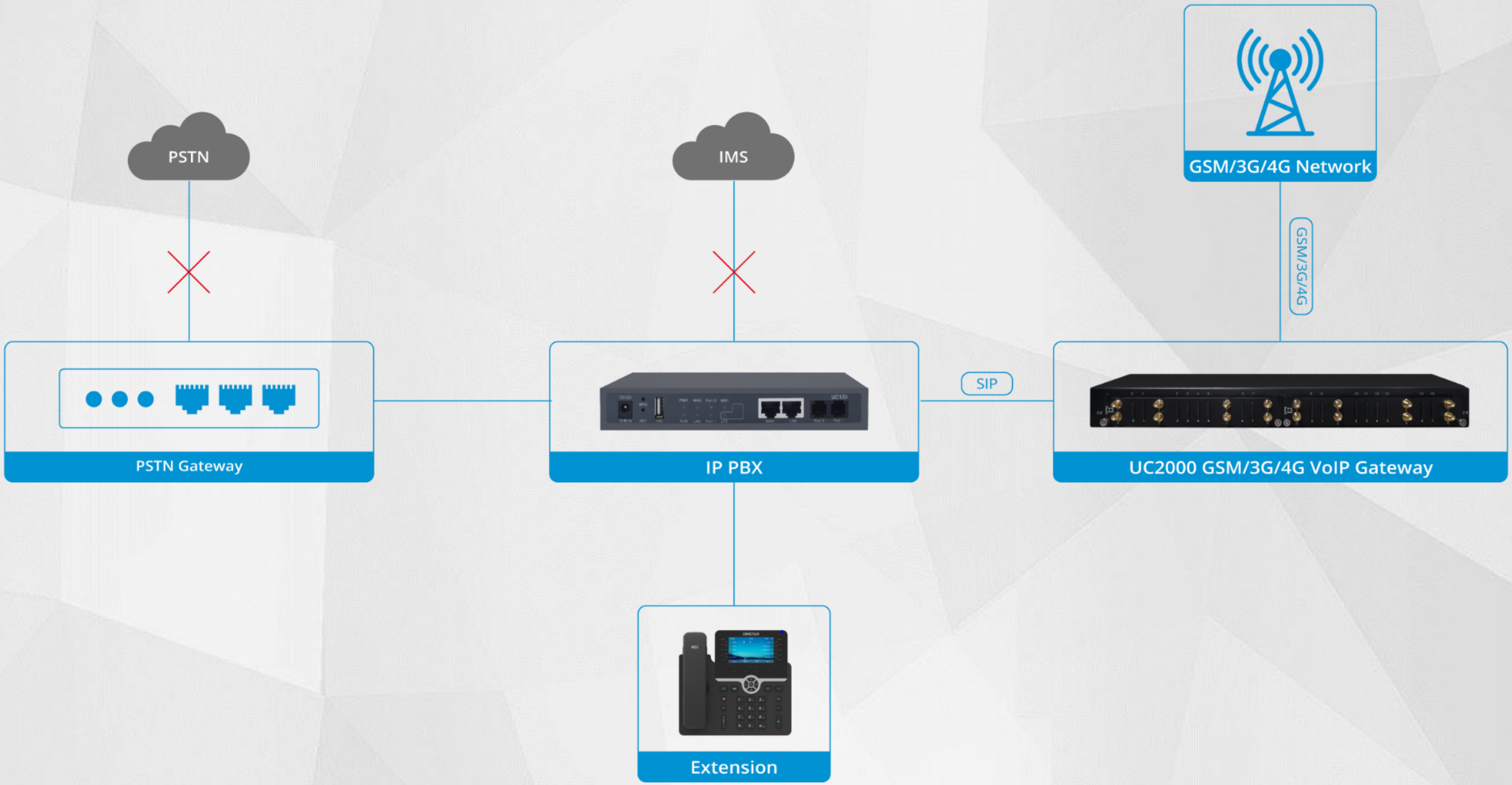
Mobile Connectivity with SME IP PBX or Phone System



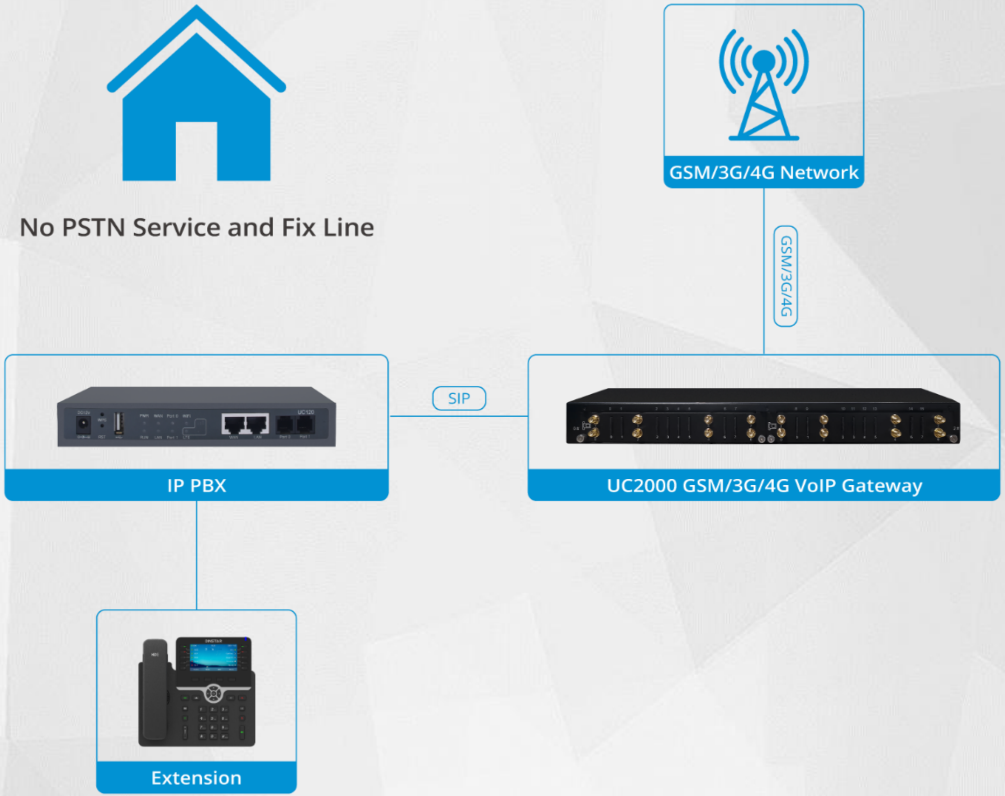
LCR Call with Different Service Provider

GSM/3G/4G Trunk for Multi-site Offices

Backup or Failover for PSTN/SIP Trunk

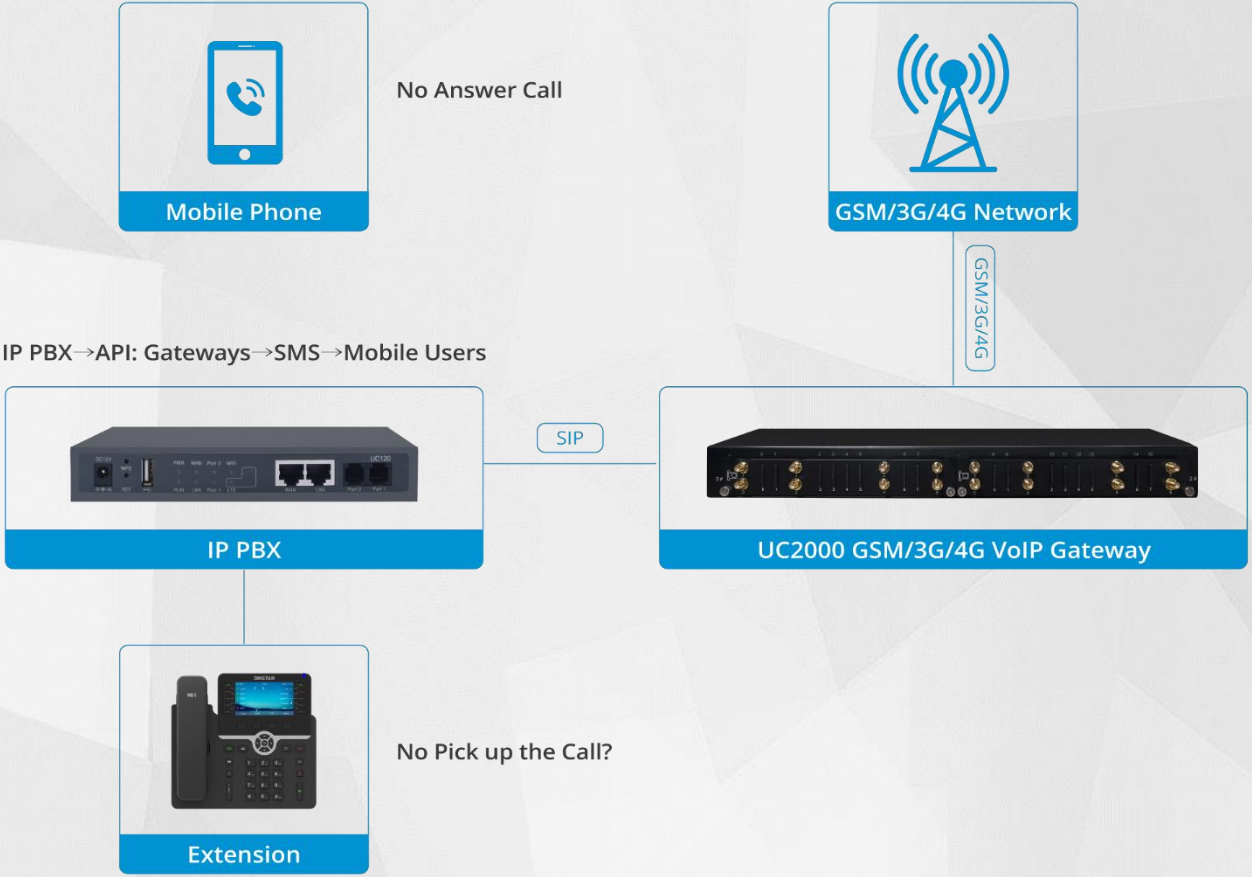


PSTN Replacement for Certain Areas



Hot desk / Co-working

SMS at No Answer/Email to SMS



SIP Intercom

SIP Intercom

DP81

2 SIP Accounts
2 DSS Keys
DTMF
Default Auto Answer
Remote Control

DP82

2 SIP Accounts
2 DSS Keys
DTMF, IC Card Reader
Default Auto Answer
Remote Control

DP83

2 SIP Accounts
2 DSS Keys
DTMF
Default Auto Answer
Remote Control
HD Camera

DP85

2 SIP Accounts
2 DSS Keys
DTMF, IC Card Reader
Default Auto Answer
Remote Control
HD Camera

SIP Intercom

DP88

- 2 SIP Accounts
- 2.3'' Graphic LCD Display
- Speed Dial
- Double DSS Keys
- Full Duplex
- Default Auto Answer
- Action URL/Active URI remote control
- DTMF , IC Card Reader, Password

HD Camera

PoE

2.3” LCD

IP65

Onvif

Indoor Panel

DP70

- Linux OS
- 7'' TFT LCD Display
- SIP v2.0, RFC3261
- 800x480 resolution
- 10/100Mbps Ethernet
- POE
- Multi- Alarm Input

DP73

- Android 5.1 OS
- 10'' TFT LCD Display
- SIP v2.0, RFC3261
- 1280x800 High Resolution
- 10/100Mbps Ethernet
- POE
- Multi- Alarm Input
- Bluetooth/WIFI

DPA Paging Gateway

- HD Video/Audio
- Dual SIP Lines, Dual SIP Servers
- SIP v2.0, RFC3261
- Support 3MP external HD camera, 1080p, 20fps/s above
- 2 ports RJ45 ports, one for Ethernet, one for HD camera
- Rich ports to connect alarm, amplifier, speaker, sensor, LED, MIC, etc.
- Self-diagnosis

HD Voice

PoE

2 SIP Lines

Onvif

Toolbox for DPA

- 1* 300W IP camera
- 1* DSS Button
- 1* Microphone
- 1* 2W passive Speaker

Roadmap

Coming Soon

HD Voice

PoE

2 SIP Lines

Onvif

DP81L-D

DP81L-S

DP81L-E

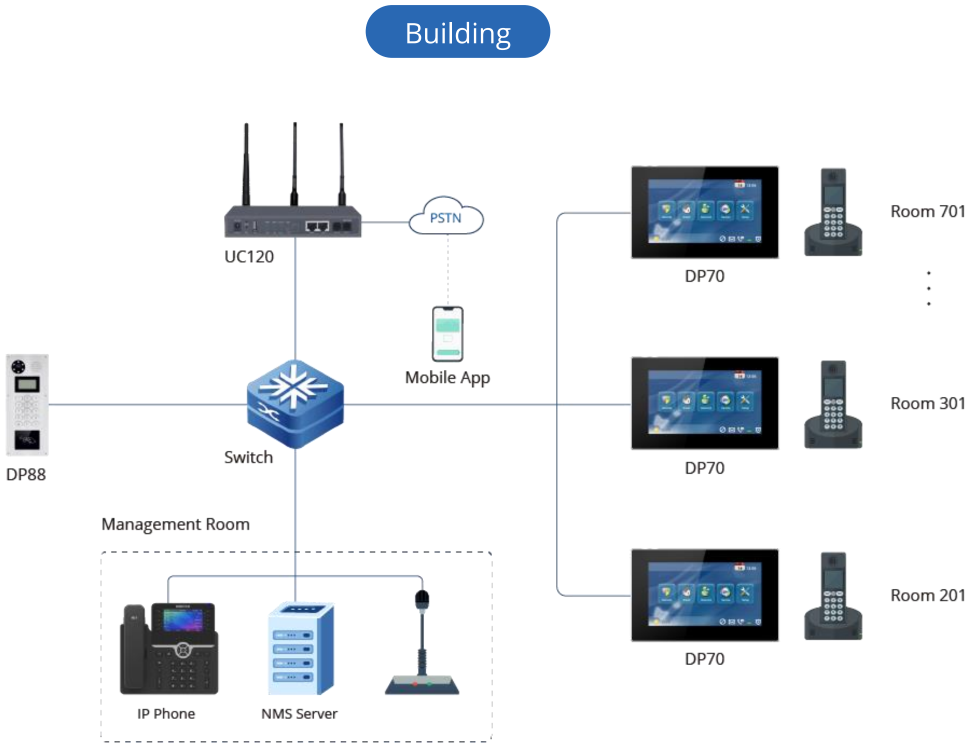
DK10 Demo Kit

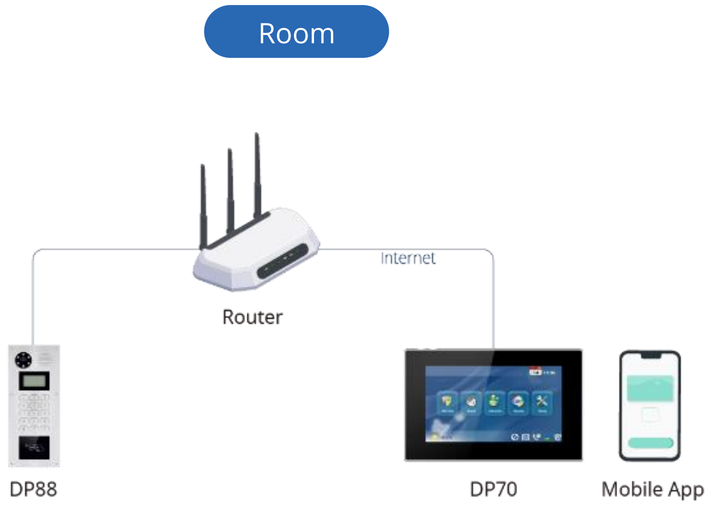
DINSTAR

What's in the box?

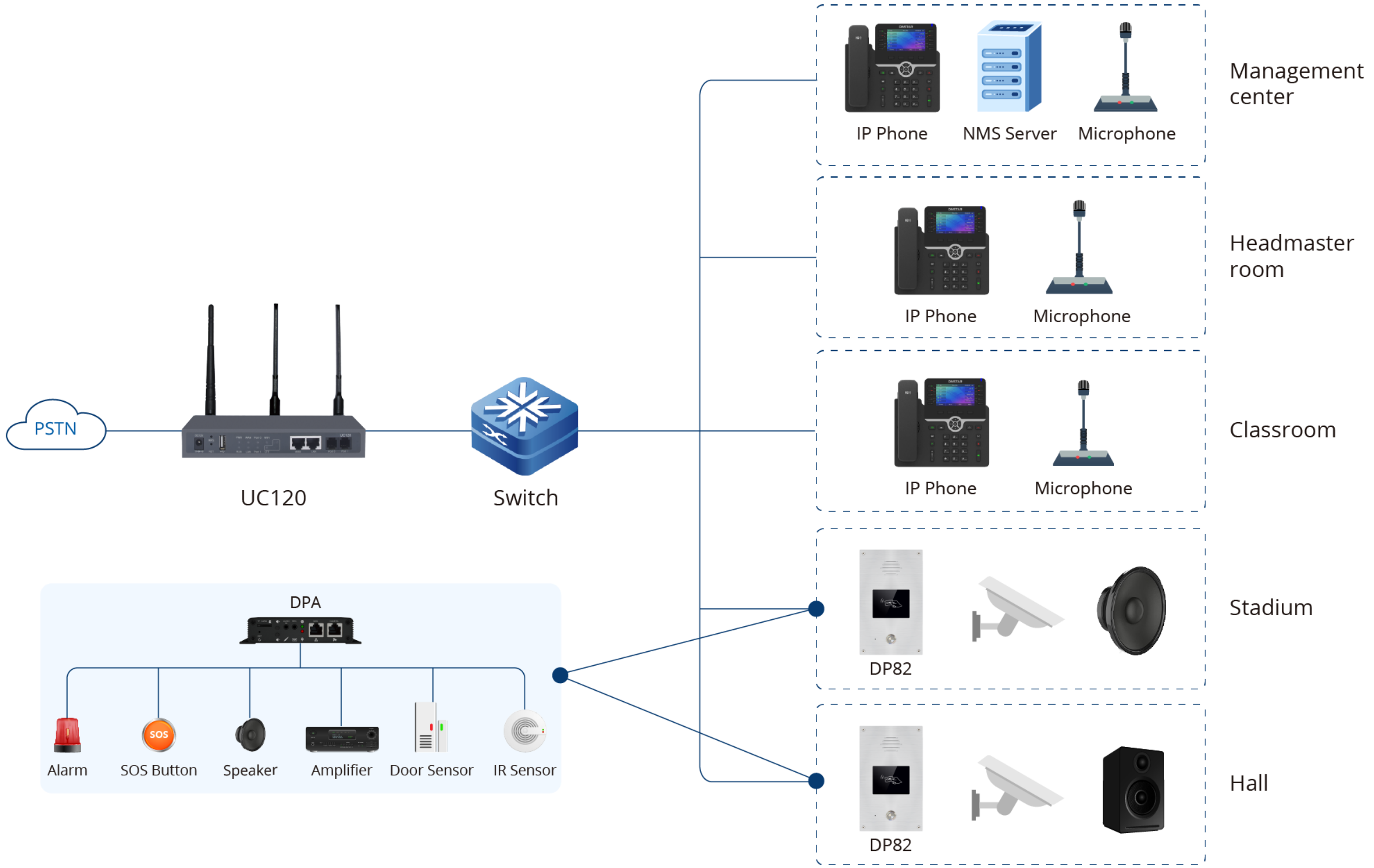
- 1 set DP88
- 1 set DP83
- 1 set DP70
- 1 set DPA
- 1 set UC120
- 1 set POE Switch
- 1 set Sensor
- 1 set ceiling Speaker
- 3 set Ethernet Ports (Support External IP Phone or Analog Phone)
- 6 set Ethernet Cables

SIP Intercom Application for Residential Buildings

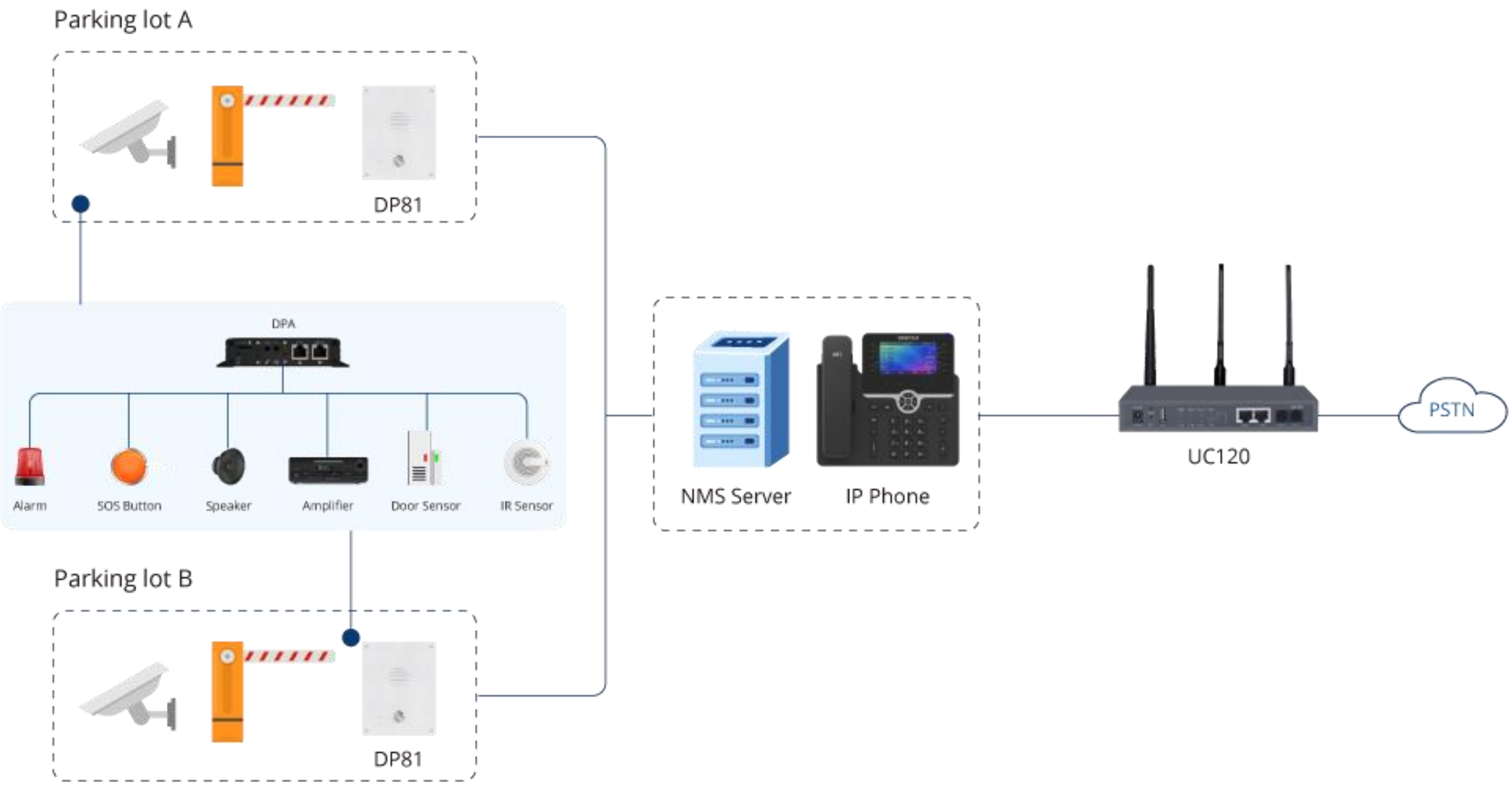




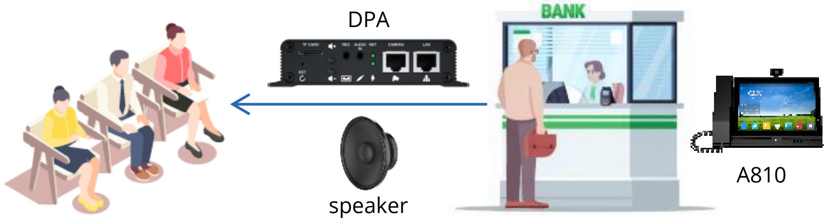
SIP Intercom Application for School



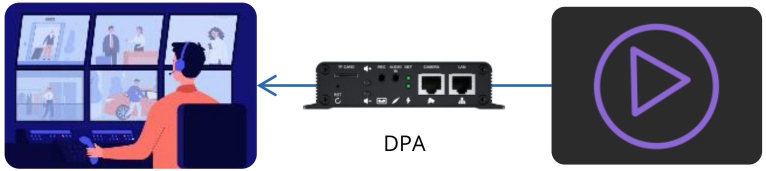
DINSTAR SIP Products Application in Parking



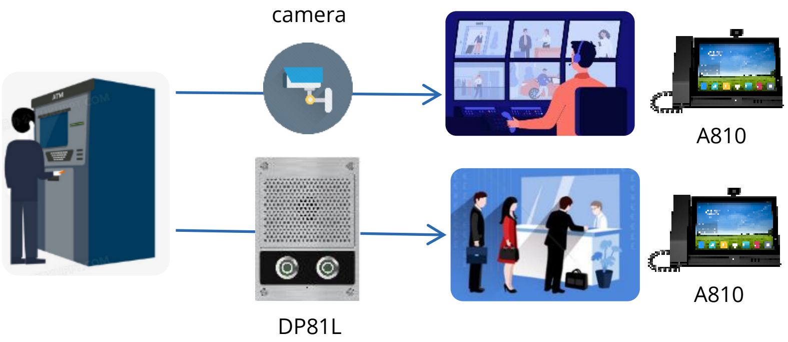
DINSTAR SIP Products Application in Bank



Broadcasting business handles queuing, registration notices, etc

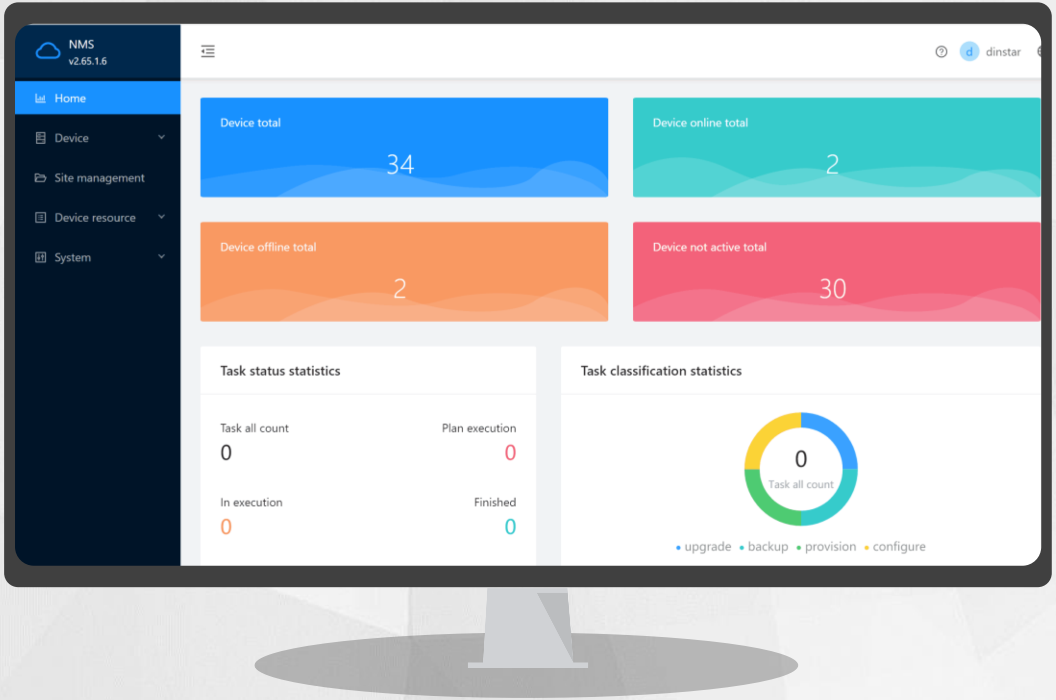


Real-time audio and video recordings



Emergency incidents (swallowing cards, coins stuck, machine failures, etc.), information consulting

Dinstar Network Management System (NMS)



DINSTAR

Device Management

IP PBXs - UC series
IP Phones – C Series IP Phone
Analog VoIP Gateways- DAGs
Digital VoIP Gateways- MTGs
Session Border Controllers-SBCs
GSM/LTE VoIP Gateways - UC2000 series
SIP Door Phones – DP series

Configuration & Firmware Management

Auto Provision for Devices
Firmware Upgrade
Auto Backup for Devices

Real-time Monitoring

Device Monitoring
Network Monitoring
Status Monitoring
Analytical System Reports
Remote Web & Telnet

Remote Management

Remote Configuration
Remote Firmware Upgrade
Remote Web GUI & Telnet
Remote Trouble-shooting

TECHNICAL SUPPORT

DINSTAR

Excellent User Experience, Quick Response

Within 30 mins
Common Problems

Within 120 mins
Complex Problems

Email
support@dinstar.com

Skype
dinstar001, dinstar002, dinstar003, dinstar005

DINSTAR

Thank You !

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