



TRANSTEL

IPX 800 System



IPX 800

System Features and Highlights

32-bit main control CPU

- The system uses a 32-bit main control unit, and can adopt dual CPU backup architecture to ensure the best reliability of the system.
- The system equipment adopts Stored Program Control (Stored Program Control), Time Division (TDM), and PCM to meet the needs of the telecommunications environment.
- The system provides web page browsing settings, which can use PCs, tablets, and mobile phones for remote real-time connection monitoring, and provides maintenance functions such as remote software updates and upgrades, restarts, and parameter settings.
- The digital phone of the system adopts a pair of two-core wiring (non-polarity), which can transmit voice and data at the same time. With caller ID display function.
- The system adopts a non-blocking circuit design and adopts a free port design, and the capacity of internal and external lines can be adjusted according to needs.
- System equipment includes: 8 external line cards (including optional caller ID function), 16 digital station line cards, 16 analog single line phone cards, and automatic switchboard interface card.

Built-in multi-track recording (IPR)/ automatic attendant / voicemail (VMU)

- Real-time recording function, all digital phones can manually or automatically start the external line real-time recording function.
- Built-in 16-channel multi-track recording on a single chip (IPX800 can be installed up to 6 chips for a total of 96 channel recording).
- 2~96 channel DISA voice automatic switchboard, 28~2700 groups of voice mailboxes, 9 hours of mailbox messages.
- Supports multi-level automatic switchboard process planning, and can flexibly adjust the way the greeting is played
- Built-in USB connector for external storage, can store 100,000 hours (1TB) of messages and recordings with an external USB DISK.
- Messages and recordings can be immediately forwarded to the mailbox specified by the user.
- Multi-track recording integration system, which can query the recording content for any extension.



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System Expansion Structure Description

Single cabinet:

6 free hot insertion expansion slots (96 station phone ports).
Each cabinet take 5U



Maximum Capacity:

12 cabinets for 72 free hot insertion expansion slots (1152 station phone ports)



..... X12



Expansion Card Capacity:

TKU - Trunk Line Card:	8 CO lines
STU - Digital Station Card:	16 Ports
SLU - Single Line Station Card:	16 ports 8
VMU – Voice Mail / Auto-Attendant Card:	Channel

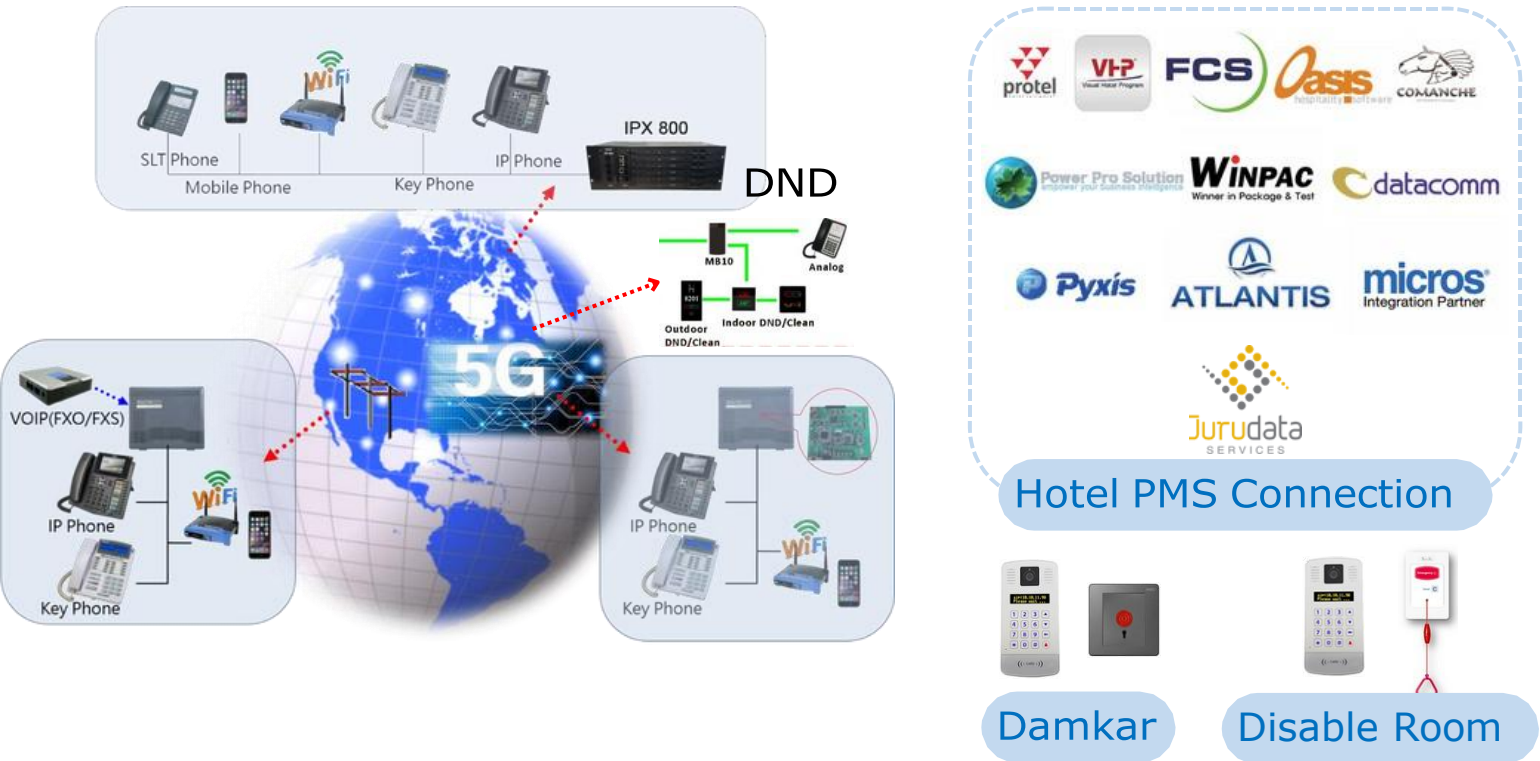
ILU - IP Server Interface

- ILU IP server card contains (all in one) embedded functions as 16 channels of Auto Attendant
- [Voice mailboxes with 9 hours recording storage](#)
- 60 random SIP trunk channels (or 16 fixed number channels)
- Maximum 100 IP seats
- [System supports maximum 4 ILU IP server cards installed](#)
- Total maximum IP seats are up to 400 seats per system

IPX 800 Application Solution

- Multinational enterprise IP Internet integration
- Chain company telephone network system
- Lodging system
- Fee-saving plan for large and small enterprises
- Building intercom management in community
- Campus security protection joint defense project
- Nurse call system
- Emergency call communication system
- Automatic ticketing system
- Gas ordering system
- Enterprise customer service management system
- Elevator emergency call system
- Call Center
- Voice integration service system Long-term care
- call system for the elderly
- Confinement center

Enterprise Multipoint Interconnect Architecture



Enterprise Integrated Communication Network

Smart mobile phones can be used under 4G/5G or WiFi environment with built-in Internet phone or download Internet phone APP(iOS / Andriod), both can be registered in IPX 800, become a mobile extension.

Enterprise Multipoint Interconnection Communication Network

Both wired extensions and IP extensions of the head office and branch offices can be registered with each other (all registered IP Phones and mobile extensions are regarded as internal extensions), and can directly dial extensions to achieve the function of saving fees.

IPX 800



Specifications

- system core CPU 32bits 400MHz
- 128Mb SDRAM
- 32Mb Nor Flash
- 128Mb Nand Flash

Capacity

- SIP trunk Port: max 30 ports
- SIP extension: basic 25 seats (Max : 100)
- Max hardware port: 24 ports/3 expansion slots for FXS (Analog phone): 0-24 ports FXO (Analog trunk): 0-24 lines
- RS232port: DB9 pin male connector
- WAN port: 10/100M RJ-45
- LAN port: 10/100M RJ-45
- USB port: USB2.0
- OPT button: for USB flash disk detection
- RUN LED: system running indicator
- Reset button: System reset
- Audio in: external audio source input
- Audio out: External paging output
- Control connector: a relay /ALU for NO/NC control
- Power input: AC 110~240V 50/60Hz 1.3A
- Power output: DV 24V, 3.75A
- Package Dimensions: 550*140*400mm (L x W x H)
- Product Dimensions : 480*280*67mm (L x W x H)

Main Features

- Call on Hold/Held Call Retrieve
- Auto Attendant for multiple layers
- Call Transfer, Call Pickup
- Call Forwarding (All/Busy/No-Answer)
- Sequential Forking (Circular Ringing) Incoming calls can be set to ring at the extensions of a certain group one by one in a sequential manner
- Parallel Forking (Common Ringing) Incoming calls can be set to ring at all extensions of a certain group
- Station/Group Paging (Supports SIP 2.0)
- Connection to VoIP Gateways provides a variety of routing options
- Call limits by setting (Unit: minute)
- Multiple registration supported

Product Overview

IPX 800 IP switch is a high-quality, high-efficiency voice communication service platform, possess advanced technologies of various voice calls, information transmission, and network connection, construct an Internet information network with multi-point connectivity for enterprises, hotels and match unique customization. The operating system integrates many commercial software,

Main Features

- Account Code
- Accessing Trunk
- Call Forward, Call Hold
- Call Limit Time Duration
- Call Park, Call Pick Up, Call Transfer, Call Waiting
- Conference Call, Grouping, Group Call, Group Hunting
- Day/Night Service
- Digital Key Phone Short Wiring Protection
- Direct Intercom Dialing
- Direct Inward Station Access (DISA)
- Do not Disturb (DND)
- Hot Line
- Internal/External Music Source
- Lighting Protection
- Message Waiting
- Speed Dialing
- Subscriber Line Polarity Reverse
- Paging
- PSTN Line Reversal Ditection
- Redial
- SLT Hold Message/Function Capability
- System Alarm
- Station Message Details Report (SMDR)
- Toll Restriction
- Tone/Pulse Dialing
- Trunk Queuing
- Wake Up Service
- *Requires an additional module
- Supports emergency calls to firefighters
- *Requires an additional module

Management Features

- Web-based Remote Administration Interface (Data package analysis)
- Supports multi-device group management Real-time diagnostic information on connection quality
- Real-time registration status report
- Automatic Configuration Restore: After unexpected system-downs, the system restores itself and resumes operation automatically
- Remote Maintenance: can be remotely maintained, processed, backed up, restored, or reset via an internet connection.
- Call History: A detailed call history can be recorded and accessed
- Supports remote backup (via configuration file)