



**TRANSTEL**

# IPX 800 System





**TRANSTEL**

**TransTEL** 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, and is **100%** reliable **Made in Taiwan** quality, to provide your business with the fastest, most stable and The most complete voice communication service platform.

## Perfect mobile office

A must-have good partner for

“ **making money** ”







**TRANSTEL**

## 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.





**TRANSTEL**

# IPX 800

## System expansion structure description

### Single cabinet:

6 free hot insertion expansion slots (96 station phone ports).



### 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
VMU – Voice Mail / Auto-Attendant Card:	8 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)
- ▲ IP phone registrations - basic 20 seats
- ▲ IP station could be expanded from 16, 32, 100 and 200 seats by the license fee
- ▲ Maximum 200 IP seats
- ▲ System supports maximum 5 ILU IP server cards installed
- ▲ Total maximum IP seats are up to 800 seats per system



**TRANSTEL**

# IPX 800 Application Solutions

- 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







**TRANSTEL**

# 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.



## Function introduction

### System 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
- Lightning Protection
- Message Waiting
- Speed Dialing
- Subscriber Line Polarity Reverse
- Paging
- PSTN Line Reversal Detection
- Redial
- SLT Hold Message/Function Capability
- System Alarm
- Station Message Details Report (SMDR)
- Toll Restriction
- Tone/Pulse Dialing
- Trunk Queuing
- Wake up service

### Station Features List

- 16x2 Dot-Matrix LCD
- 8 Levels Digital Volume Adjustment
- 9 Ringing Frequencies Tone
- Adjustable LCD Angle
- Built-In Calculator Function
- Day/Night Service Indication
- Dual-Color Tri-Status BLF Indication
- Hand-free Dialing
- Hand-free Conversation
- Last Number Redial
- Macro Key Setting
- Message Waiting Indication
- Station Name Setting
- Station Lock/Unlock
- Call Forward/Call Follow Me
- Call Forward to Individual SPD
- One Digit Paging
- Call Pick up
- Call Transfer
- Conference
- Do Not Disturb (DND)
- Hold/Exclusive Hold
- Background Music
- Morning Call

### Optional function

- Auto Attendant
- Caller's Number Identification (Caller ID)
- Fidelio FIAS PMS Interface
- CTI Link (Over Ethernet or RS232)
- Remote System Maintenance
- Direct Inward Dialing (DID)
- Automatic Call Distribution (ACD)
- Voice Mail





# Electrical Specifications

MODEL		IPX 800
Power	Input Voltage	AC 100~240V 50/60Hz
	Ring Current	25 Hz, 75 Vrms
	Power Consumption	Single Cabinet: 200 W;      Maximum: 2400 W
System	Free I/O Slots	Single Cabinet: 6 Slots;      Maximum: 72 Slots
	Capacity	Single Cabinet: 96 Ports;      Maximum: 1152Ports
	IP Capacity	Single IPX : 200 seat;      Maximum : 800 seat
	Switch Mode	TDM / PCM
	Control Mode	Modular and Distributed
Impedance	Single Line	DC : $\leq 1800 \Omega$
	PSTN	DC : $\leq 250 \Omega$
Computer Communication	Communicate Interface	RS232 / Ethernet
Voice Mail (With VMU / ILU)	On board	9 hours
	USB Disk	1,600 hours(16GB) / 100,000 hours (1TB)
System maintenance	Software	Web Programming / Remote Control
	Hardware	Hot Insertion
Cabinet Dimension	Length * Width * Height	480 * 280 * 308 mm
Operation Temperature (°C)		0°C ~ 45°C
Environment Humidity (AH)		10 % ~90 % (non-condensing)

**PT. TRANSINDO INFOTEK**

Kamal Raya Outer Ring Road Mutiara Taman Palem A16  
No. 29 Cengkareng Jakarta Barat 11730  
Tel: (62-21) 54356600 / Fax: (62-21) 54356580  
Web: [www.transtelindonesia.co.id](http://www.transtelindonesia.co.id)