

## Specifications

Feature	IPstage MX		IPstage SX	
	Basic unit	Basic unit + Expansion unit	Basic unit	
	Max.	Max.	Max.	
No. of slots	6	12	8	
Line capacity*1	Total ports	128		
	Extensions	IP extension telephone*2	128	
		Standard telephone	48	96
		Multifunction telephone	48	96
		Door phone*3	4	
	Outside lines	IP external line*4	14 channels	
		Analog external line	48	96
		ISDN (basic rate)	16 (32 channels)	32 (62 channels)
		ISDN (primary rate)	2 (60 channels)	
		E&M Type5 tie line	24	
		SIP tie line*7	16	32
	Voice Mail*5	2 channels, 2 hours		
	Caller ID receive circuit	48	96	
	PB receive circuit	56	104	
Teleconference (max. 4 participants)	16	28		
Dimensions (W × H × D) mm	Main device	382 × 399 × 281	425 × 295 × 140 (including rubber feet)	
	Expansion battery	382 × 235 × 281		
Weight	Main device*6	Approx. 20 kg	Approx. 12 kg	
	Expansion battery	Approx. 30 kg		
Max. power consumption	Approx. 120 W	Approx. 240 W	Approx. 70 W	
Operating conditions	Temperature: 0° to 40°C / Humidity: 20% to 85% RH (non-condensing)			

Feature	Standard configuration
IP external line*4	2 channels × 1 port
Voice Mail	2 channels, 2 hours
Caller ID receive circuit	4
PB receive circuit	4
Teleconference (max. 4 participants)	2

• All specifications and details published are subject to change without notice.

\*1: The values shown in the specification tables represent the maximum values during the standalone feature operation. The values that can actually be accommodated by the system vary with the combination of features and equipment used.

\*2: The IP extension telephone includes an IP telephone, and IPstage Com@WILL Software Phone.

\*3: Up to 2 calls can be conducted simultaneously.

\*4: Subject to the availability of an IP carrier service. Channels are shared by built-in Voice Mail (consuming 2ch) and IP-TSW bridge channels.

\*5: Either 2 channels of IP outside line or 2 channels of built-in Voice Mail should be exclusively assigned for standard configuration.

\*6: The values shown describe a fully equipped installation.

\*7: Not include IP telephone and Com@WILL. IP-IP connection does not need SIP tie line hardware.

**OKI** Open up your dreams

# IPstage Mx/Sx



A process based on the Waster Management Law is required when disposing of used products. Contact our sales department or an authorized dealer for enquiries relating to disposal and recycle processes.

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\*Names of companies and products are trademarks or registered trademarks of the respective companies and organizations.

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OKI IP-KEY TELEPHONE SYSTEM

# IPstage MX/SX

OKI IP-KEY TELEPHONE SYSTEM

## All in one IP Communication Systems for small and medium offices

IPstage MX/SX is designed to be the ultimate user friendly conventional key telephone system for small and medium sized offices with up to 128 extensions, providing all the advanced telephone features to enhance office productivity and curtail communication expenses. With its feature-rich Software Phone, Com@WILL and IP extensions, this system also serves offices with a high IP environment and will evolve in line with communication technology advancements, like IP public phone services or VoIP via WiFi. etc.



IPstage MX



IPstage SX



Multi Keytelephone Ri

Advanced and easy to use features that no hardware phones can provide

**Software Phone** >>> Page 03

Enhances business productivity

**Rich Conventional System Features** >>> Page 05

Highly Functional Multi Keytelephone

**Multi Keytelephone functions** >>> Page 07

Create a system that's right for your business and office size

**System configuration and components** >>> Page 09

# Software Phone

With IPstage series key telephone system, OKI original Software Phone called Com@WILL provides a versatile means of communication. The service features of Com@WILL include Video Conferencing (up to 4 parties at one time) with high quality voice and video, Voice Recording during a conversation or when absent, Application Sharing for sharing the same spreadsheet or presentation files etc., with other parties and many others.

Software Phone provides advanced and easy to use features, which no hardware phone can.

## IPstage Com@WILL Software Phone

Just one click on your PC will initiate a call or Video Conferencing from the phone book or Call History, with dramatic high quality video and sound for exceptional clarity and presence. In addition, with Chat etc., versatile communications can be made with ease.



### Features of Com@WILL

Pick-up, Call hold, Call diversion, Placing/Receiving calls, Teleconferencing, Video Phone, Video Conferencing, Chat, Application/white board Sharing, File Transfers, Call History, Voice Mail, Call Recording etc.

■ Video Conferencing:  
**Maximum 4 participants**

■ Chat:  
**Maximum 4 participants**

■ History:  
**Maximum 1,000 calls**

Com@WILL takes care of your messages while you are out.

## Automatic answering and recording

With the help of a Com@WILL Software Phone, the IPstage can answer both internal and outside calls and record messages automatically whenever you leave your desk for a meeting or outside appointment, so you won't miss any important business calls. The received calls can be recorded on your PC as your record and replayed later or for transferring to other extensions. Approximately 1,000 messages\* (up to 60 seconds per message) can be recorded on a 1 GB hard disk.



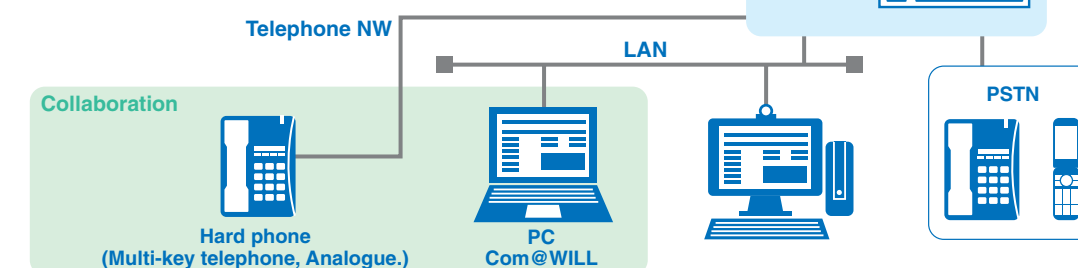
\* Message recording capacity varies with the message content.



## Com@WILL and hard phone collaboration.

By combining Com@WILL and a hard phone, hard phone extensions can use rich convenient features of Com@WILL like click dial from Phone Book and Call History, Automatic answering and Recording etc even in case of an analog telephone.

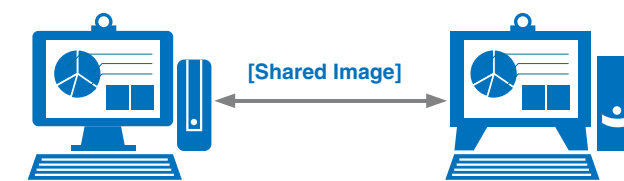
IPstage Mx/Sx



Share documents during a video conference to communicate precisely.

## Application sharing

The Software Phone feature makes it easy to share documents on your PC with other participants during a video conference. Other callers need not have the same applications, for you can to share documents that use special formats.



■ Application Sharing:  
**Maximum 4 participants**

## Com@WILL Software Phone PC environment

System feature	Requirements	
OS (32bit)	Microsoft® Windows® 2000 Professional (SP4) Microsoft® Windows® XP Professional (SP1/SP2)	Microsoft® Windows® VISTA Ultimate Microsoft® Windows® VISTA Business
CPU	Intel® Pentium® 3 (1GHz) (minimum) Intel® Pentium® 4 (2.4GHz) (recommended)	Intel® Pentium® 3 (1.5GHz) (minimum) Intel® Pentium® 4 (2.4GHz) (recommended)
RAM	512MB or more	1GB or more
Hard disk space	100MB or more	
Web browser	Microsoft® Internet Explorer 6.x or more	
Notes	When using a webcam and USB handset/headset, they should be connected directly to separate USB ports on the PC. Video phone and Video Conference features require an Intel® Pentium® 4 (2.4 GHz) processor due to the increased processing they require. Windows VISTA cannot use Application sharing and white board sharing.	

# Rich Conventional System Features

The IPstage series provides many advanced key telephone features to enhance the business productivity of small and medium sized offices, such as call restriction, which prevents calls being placed to a pre-registered number, automatic route selection, Caller ID display on analog phones, DISA, built-in Voice Mail and Call Rejection. With our digital phone many functions can be set easily from any digital extension using the menu screen.

Advise out-of-the-office workers of new messages. Don't let that opportunity slip through your fingers.

## Voice Mail

■ Simultaneous use lines:  
**Maximum 2**

■ System Recording Capacity:  
**Maximum 2 hours**

In addition to the one-touch recording of conversations with customers and other callers, the system can automatically send a voice message advising of new messages to a mobile phone or other contact number of new messages so that employees can respond quickly, even when they are out of the office.

Set call forward destination while you're out of the office.

## Follow Me

You can change the forwarding number for incoming calls at your desk while you are out of the office. The ability to set up call forwarding remotely ensures that you won't miss any important calls while you are out.

## Analog Caller ID Display

A telephone number from an analog PSTN line can be displayed on both an analog phone and digital phone. In the case of the digital phone and IP multi keytelephone, the name of the caller can be displayed if it is registered in the system.

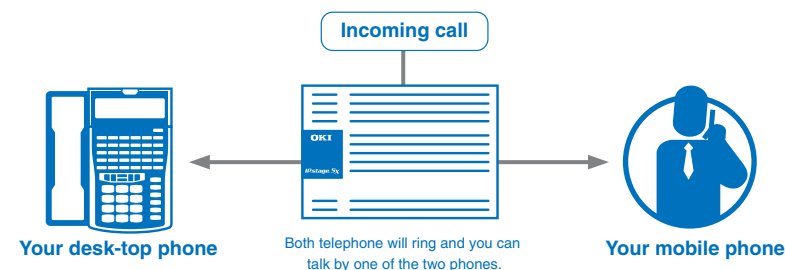


## DISA (Built-in call attendant)

IPstage provides the DISA function. With a simple operation from a digital extension you can record your order-made company greeting, which will welcome your important customer instead of a human operator.

## Mobile Twinning

IPstage enables you to receive incoming calls from customers through both of your desk-top phone and your mobile phone. Therefore when you are in your office, you can hear comfortable voice through multi keytelephone. When you are out, you never lose a good opportunity for important business through mobile phone.



No special dialling to save on your phone bill !

## Automatic Route Selection (ARS)

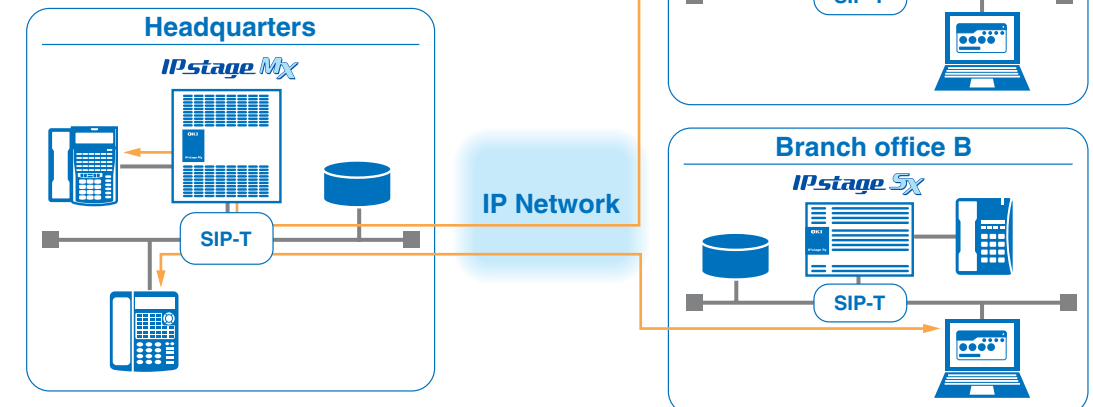
To select the least expensive telephone carrier you only need to dial the telephone number of the called party. You do not have to add any carrier prefix to take advantage of the special discount services. This capability lets you save on calls while no additional action is required on the caller's part.



It's New

## SIP Tie Line

Function of connecting several IPstages through IP network for direct call between extensions of different offices. It is required to connect systems through intra network.



You will know to which department the call is for before answering.

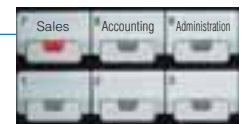
## Direct Group Line

Extensions can be assigned to user-configured groups (departments), and the group answer key can be assigned for each group on your digital phone.

■ Maximum number of registered groups:  
**100**

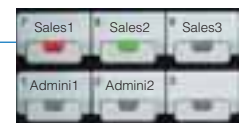
### ● DGL (Direct Group Line) Mode

You can instantly identify the group to which each incoming call belongs by the blinking group answer key and ring pattern. Answer keys can be used to answer a new call while the line is still busy with the previous call, enabling calls to be answered quickly so that your customers don't have to wait.



### ● MSA (Multi Station Access) Mode

As with the DGL feature, described above, the MSA mode lets you identify the group to which each incoming call belongs, with just a glance at the flashing answer key and ring pattern. In this mode the answer keys cannot be used to receive a new call until the current call has ended, allowing the number of incoming calls to be regulated by using the number of answer keys. The ability to apply temporary incoming call restrictions to answer keys, for example, while certain individuals are out of the office, is another way the system can be fine-tuned to respond to changing circumstances.



# Multi Keytelephone functions

Multi Keytelephone **Ri**



### Easily visible display Large, 2 colours backlit display

The MKT/Ri's large 16 characters wide by 4 lines display is user friendly for easy setting. In addition to the ability to change the backlight colours, according to the caller ID of the receiving calls (green/orange), the display can be adjusted to an angle that is best for viewing.

■ Adjustable Display: **5 angles**



### Easy calling Phonebook and incoming / outgoing call history features

The MKT/Ri provides a local phonebook for the personal use of each extension. An outgoing call history is stored for each user and calls can be initiated from either the phonebook or call history.

■ Incoming/outgoing Call History (personal): **20 calls**

■ Maximum number of phonebook entries: **1,000**



### Attractive appearance Function cards

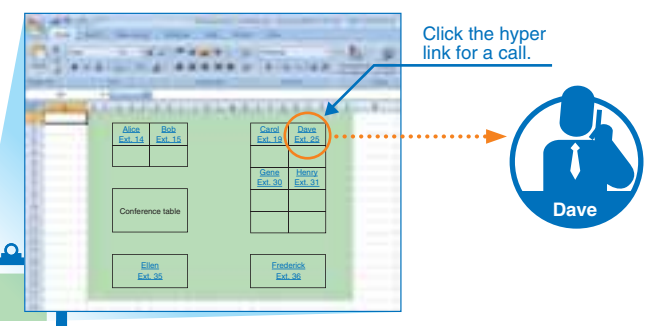
Change the function cards so the colour and design that is right for your office's atmosphere can be enjoyed. Three optional colours (blue metallic, silver metallic and green metallic) are available in addition to the standard black design. (Optional function cards are available through your local dealer.)



### Click dial from application

Com@WILL can cooperate easily with the desk layout of the company on Windows applications like Excel sheet. Telephone calls can be placed from Com@WILL by clicking a hyper link on the applications.

**Advantage:**  
A call can be placed by clicking visual contents like desk layout or map. No need to search for the names and numbers on the conventional telephone directory.



### Part names and functions

- 1 Incoming call indicator lamp**  
The incoming call indicator lamp flashes when a call is received. (When a group call is received the flexible key assigned to the group receiving the call will flash.)
  - 2 Flexible keys**  
The flexible keys can be assigned various functions. For example, when a flexible key is configured as an outside line key, its colour indicates the status of that line, and the key can be used to initiate or answer calls.
  - 3 One-touch keys**  
These keys can be programmed with special numbers, extensions, and outside numbers for one-touch dialling.
  - 4 SELECT key**  
The SELECT key toggles between the two numbers assigned to each one-touch key.
  - 5 Function keys (arrow keypad)**  
The function keys are used for tasks, such as adjusting the phone's volume, displaying the incoming and outgoing call history, as well as searching the phonebook.
  - 6 CALL key\***  
The CALL key lets you make calls using the line assigned to the key.
  - 7 EXTENSION key**  
The EXTENSION key flashes to indicate an incoming call on an extension and lights up to indicate a call in progress on an extension. It is also used for dial forwarding while a call is in progress.
  - 8 MUTE key**  
The MUTE key is used during hands-free calls.
  - 9 REDIAL key\***  
The REDIAL key allows one-touch redialling of the last number called.
  - 10 SPEAKER key**  
The SPEAKER key toggles between loudspeaker monitoring and the handset.
  - 11 HOLD key**  
The HOLD key is used to place calls on an extension or outside line on hold.
- \* The phone's settings can be configured to assign these functions to flexible keys.

### Specifications

■ Button and LCD functions	Feature	Specification
	Flexible key	30
	One-touch key	10 keys × 2 rows
	Display	Monochrome; 16 characters × 4 rows
	LCD backlight	2 colours (green/orange)

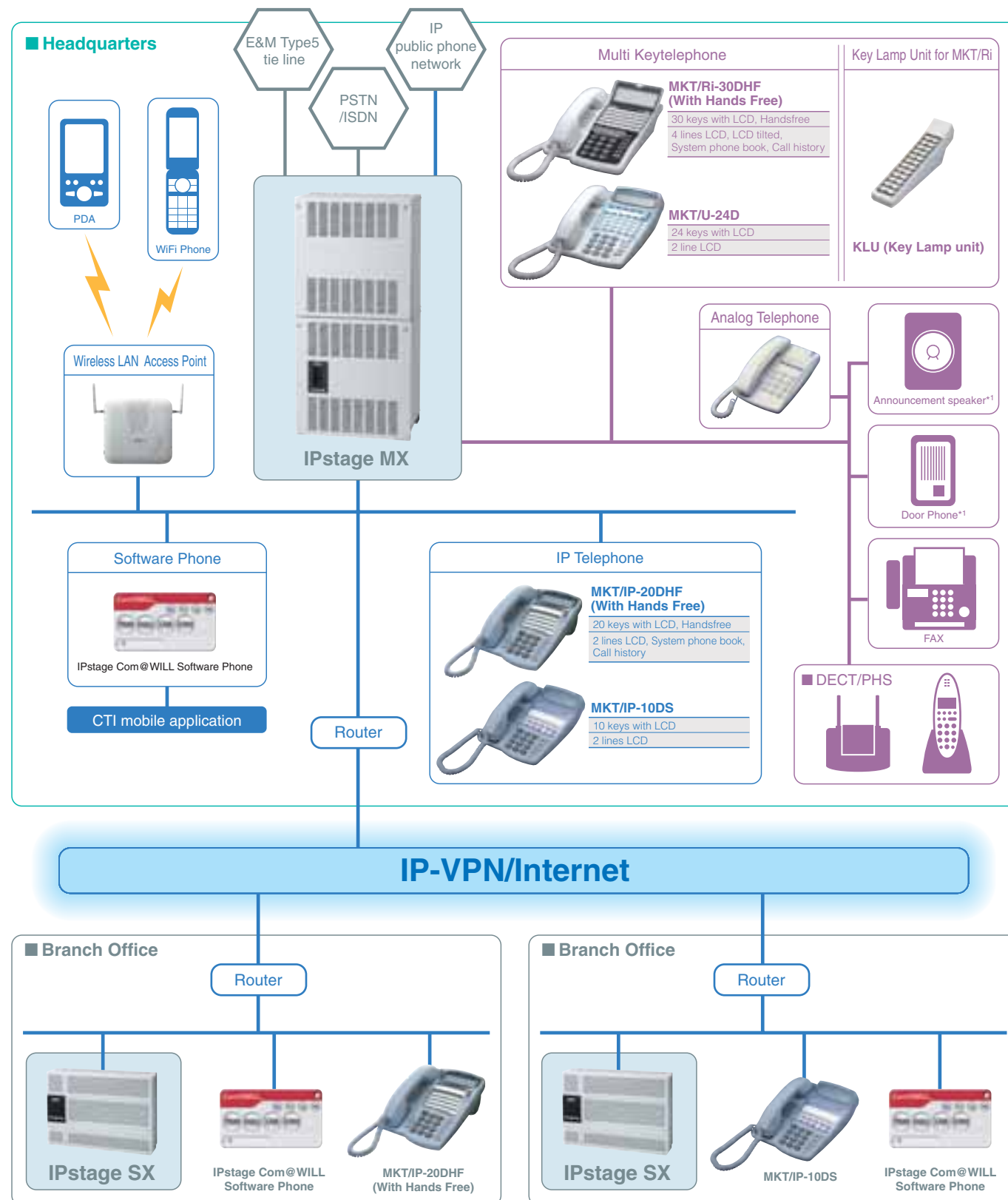
■ Phonebook functions	Feature	Specification
	No. of entries	1,000
	Phonebook group function	15 groups
	Incoming/outgoing call history, history dial function	20 calls each
	Lock function	Lock/unlock with pin number

■ Ring patterns	Feature	Specification
	Incoming/outgoing call volume selection	5 levels
	Multi-line incoming call ring pattern	8
	Mouthpiece/receiver volume selection	5 levels

■ Telephone specifications	Feature	Specification
	Dimensions (W × H × D)	Approx. 185 × 102 × 247 mm
	Weight	Approx. 1 kg or less
	Installation	Desktop or wall-mounted
	Tilt mechanism	Tilt display/tilt legs
	Operating conditions	Temperature: 0° to 40° C Humidity: 20% to 85% RH

# System configuration and components

Create a system that is right for your business and office size.



\*1: Contact your dealer for more information about supported phones.

## List of Features

### Outgoing Features

- Last External Number Redial
- Automatic Dialling(Flexible Manual Pause Insertion)
- Common Abbreviated Dialling
- Automatic Repeat Dialling
- Preset Dialling(One-touch dial)
- Off-hook CO Line Access
- Assigned Trunk Line Access
- Hook Flash to CO Line
- MSA Key CO Line Access
- CID restriction
- Caller ID
- Outgoing Call History
- Call initiation by phone book
- ARS Call Initiation

### Incoming Features

- Night Ringing Extension Assignment
- Discriminative Ringing
- Direct-In Line(DIL)
- Night DIL
- Direct Inward System Access(DISA)
- ISDN DDI
- Analog Call ID Display
- Called Party Subaddress DDI
- Automatic Answering with Guidance
- Automatic Call Distribution
- Direct Group Line(DGL)
- Centralized Answering
- Call Forwarding -Group
- Temporary Answer Hold with Message
- Call termination method select by CID.
- Day/Night Mode Switch -Manual
- Group Call Pick-up
- Call Reject
- Ringing tone select by CID
- Day/Night Mode Switch -Automatic
- Call Pick-up
- Incoming call restriction during busy.
- Back light Change by CID
- Incoming Call Restriction per CO line

### Hold/Transfer Features

- Exclusive Hold
- Unscreened Call Transfer
- Call Forwarding-Preset
- Long Chat Call Warning
- Follow Me
- Call Forwarding -No Answer
- External Hold Tone
- Call Forwarding - Trunk to Trunk
- DISA/DIL Call Transfer
- Hold Melody
- Call Forwarding per Calling Number
- Mobile Twinning
- Call Forwarding Busy

### Extension Features

- Voice Calling
- Automatic Dialling
- Direct Station Select
- Voice Paging - Group
- DGL Group Calling
- MSA Key CO Line Access
- Intrusion - Extension
- Call Waiting - Terminating
- External Paging Unit Access
- Hot-Line Stations
- Absent Message Setting
- Privacy Release
- Personalized Ringing
- Guidance Message Recording
- Common Abbreviated Dialling
- ISDN Calling Party Sub-Address Indication
- ISDN Status Display
- Analogue Telephone Connection
- Caller ID
- Series call
- Call Back(In Busy State)
- Service menu

### Telephone Features

- Receiver Level Control
- Volume Control
- Ringer Level Control
- LCD Contrast Adjusting
- Microphone Volume Control
- Key Touch Tone Change
- Intercom Handsfree
- Back Light Change

### System Features

- Regional Carrier Connection
- CO to CO Connection
- Add-on Conference
- ◆ Door Phone Connection
- Night Door Phone Assignment
- Remote Programming

● Standard Features ◆ Option Features

### Boss-Secretary Features

- Executive Busy Transfer
- Executive Call Forwarding
- Executive Do Not Disturb
- Executive No Answer Transfer
- Executive Service Operation

### Voice Mail Features

- Voice Recording
- Incoming Message Indication
- Incoming Message Notification
- V/M Call Pick-up
- Absent Message
- Recorded Voice Transfer
- Password Management
- Mail Retrieval
- Auto Save/Delete

### Maintenance Features

- Maintenance from system MKT.
- Line Data Display
- Remote Maintenance
- Flexible Key Assignment
- Individual User Setting
- USB Data Upload/Download
- Phone book Upload/Download

### VoIP Features

- IP extension
- Com@WILL and hardphone collaboration
- SIP tie line

