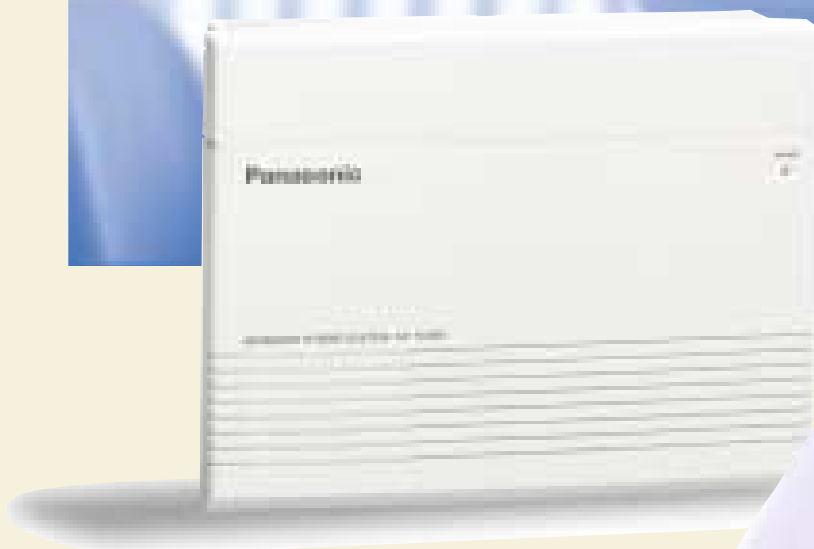


Panasonic

KX-TA308

Advanced Hybrid System



The Best Solution For Your Communication Needs

The telephone is your main source of communication - your link to business partners, customers, friends, and even your family members both inside and outside the office.

The KX-TA308 Advanced Hybrid System is a phone system which can support your business and personal needs.

This system supports 3 outside (CO) lines and 8 extensions. With optional cards, you can easily expand your system capacity up to 6 outside (CO) lines and 24 extensions* as your needs grow. This system provides the features that satisfy the demands of the most sophisticated and cost conscious users. You can connect a variety of communication devices, such as cordless phones, answering machines, computer modems, credit card verifiers, fax machines, and any other device that works with conventional telephone lines.

The Panasonic KX-TA308 is ideal for a small business or home office requiring a flexible system with a high degree of sophistication.

*8 of the extensions are ports used for Single Line Telephones.

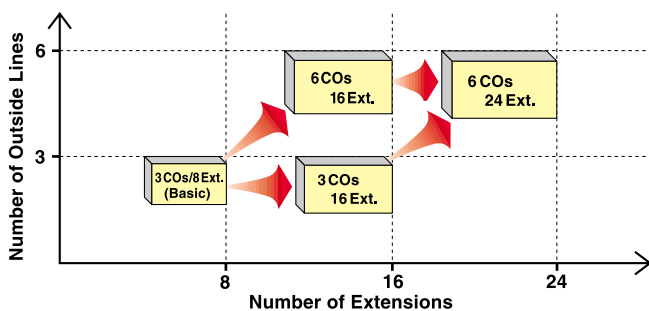


● Flexible and Simple Expansion

Panasonic offers you unprecedented flexibility and simple expansion with optional cards.

By adding optional cards, you can expand the system from 3 COs / 8 extensions to 6 COs / 24 extensions to meet your changing needs.

Neither additional programming nor costly rewiring is required.



● Voice Mail Integration

The voice mail interface between a Panasonic Advanced Hybrid Systems and the VPS (Voice Processing System) offers quick and user-friendly operation to improve communication with your customers and colleagues. Customisable service settings allow you to assign major functions to telephone keypad buttons. For example, after hearing an opening greeting, a caller can navigate through various menus in one of several languages. He can be routed to the appropriate department, suitable mailbox, or a fax machine, or he can listen to up-to-date information. When the system is digitally integrated with APT (Analogue Proprietary Telephone), there are a number of enhanced facilities available, such as Live Call Screening (LCS), Two-Way Recording, and Two-Way Transfer.

● Intelligent Call Management

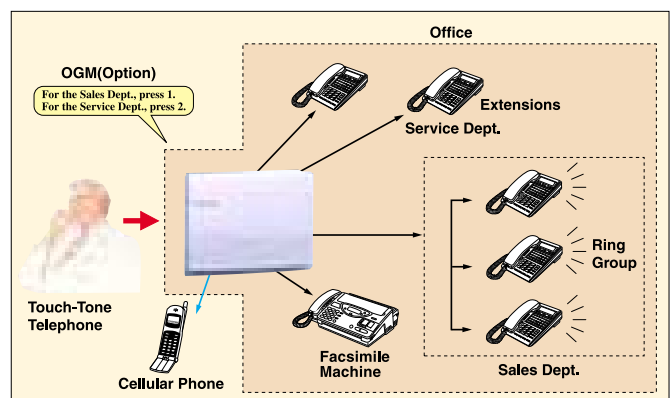
DISA (Direct Inward System Access) with message*

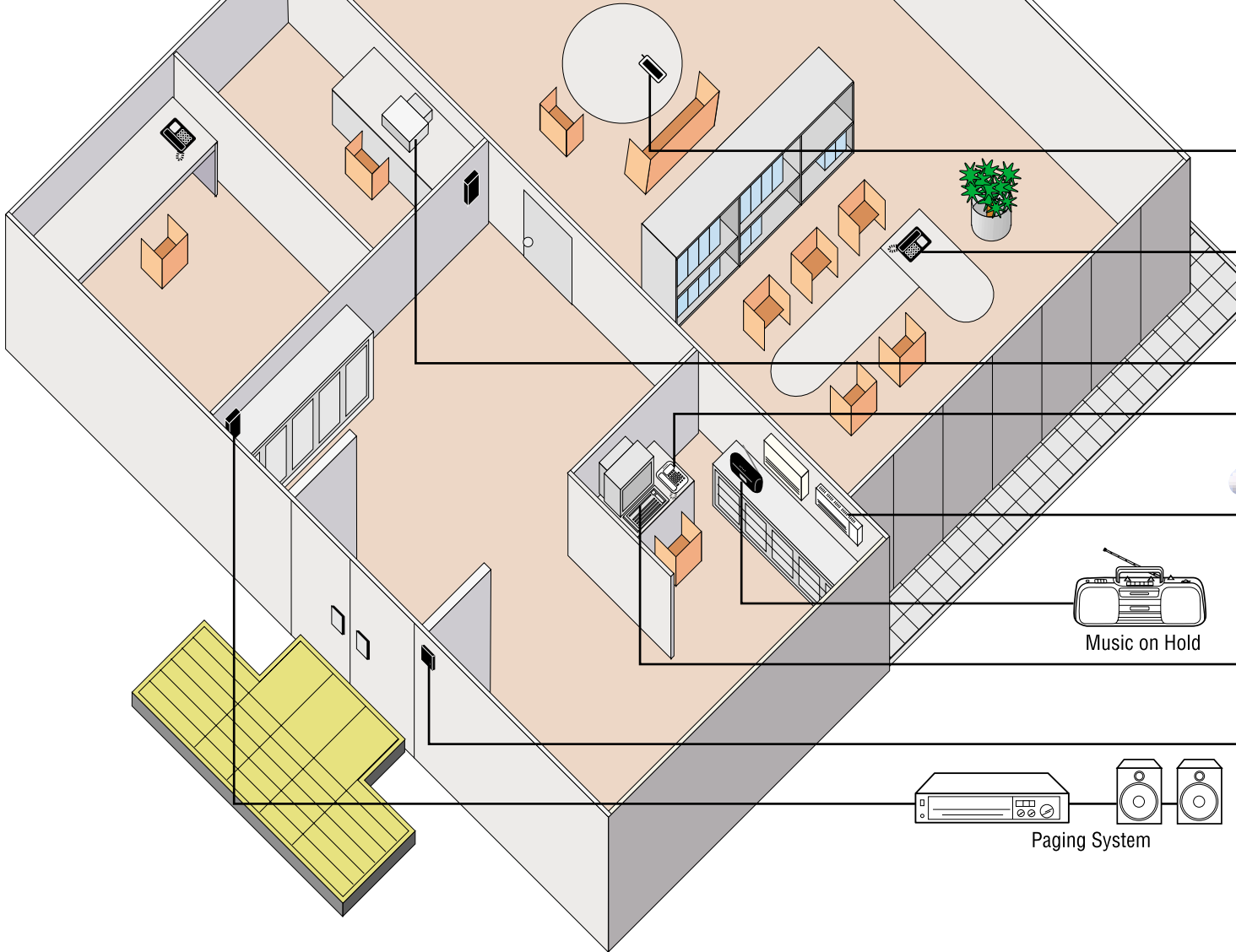
- More efficient handling of incoming calls.
- Callers can call after-hours and still access desired extensions.
- Shares the operator load.

This feature allows outside callers to access any extension without going through an operator. Callers can dial the desired destination such as an extension or Ring Group+, or even outside lines. With an optional OGM (Automatic Greeting Message) card installed, a caller will hear a greeting message. Two different DISA messages can be recorded by the operator or manager. One message may be used in day mode and the other in night mode, or they may be used for different outside (CO) lines. When the system receives a fax transmission signal by DISA*, it automatically connects the specified fax extension. Fax calls can be received day or night without an operator and there is no need for a special fax phone line.

*An optional card is required.

*All phones in the group will ring simultaneously, allowing any member of the group to answer the call.



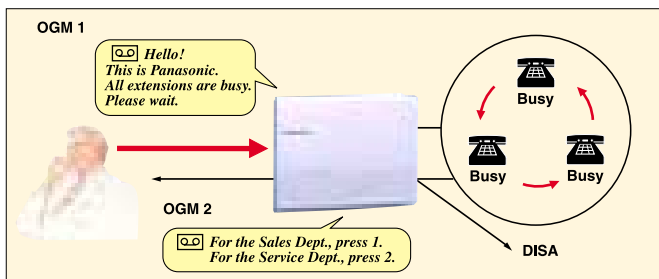


UCD (Uniform Call Distribution) with message*

- Improves the company image.
- Important business calls will not be missed.
- Shares the operator load.

For handling many incoming calls quickly and efficiently, this feature allows incoming calls to be distributed uniformly to a group of extensions. If all stations in the UCD group are busy, the system will play a message* to the caller - acting like a receptionist. If still the UCD group remains busy, the call can be sent to a secondary DISA (OGM2). This is especially useful for an office where many calls arrive at a group and there is only one person to take calls (queuing feature).

*An optional card is required.



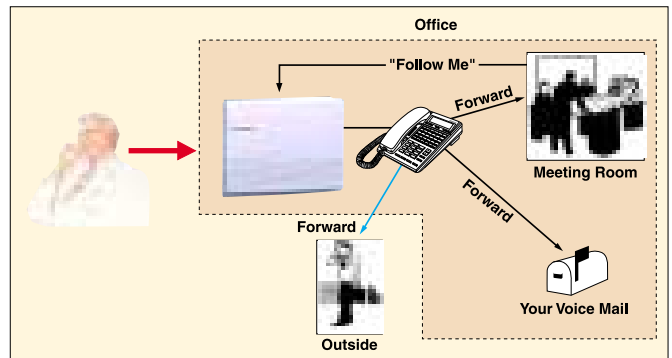
[UCD Hunting routes the call systematically until it finds an idle extension.]

Call Forwarding (Busy / No Answer / Follow-Me / to Outside)

- Important business calls will not be missed.

Incoming, intercom and transferred calls to your extension can be forwarded to another destination when you are on the phone or away from your desk. Calls can be directed to a pre-programmed number, such as your mailbox, another phone, or even outside your office building, improving efficiency and overall customer service. "Follow me" programming allows you

to remotely set Call Forwarding from another phone at your office (eg. meeting room), so calls to your extension will reach you while you are away from your desk.



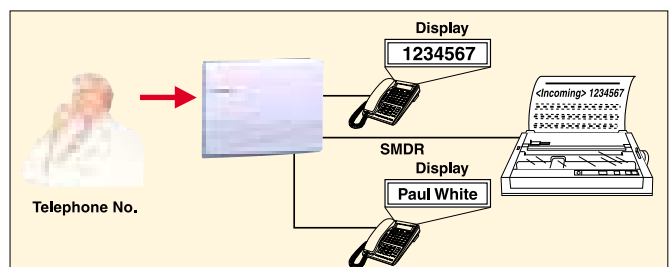
Caller ID*

- Caller Recognition
- Better Call Management

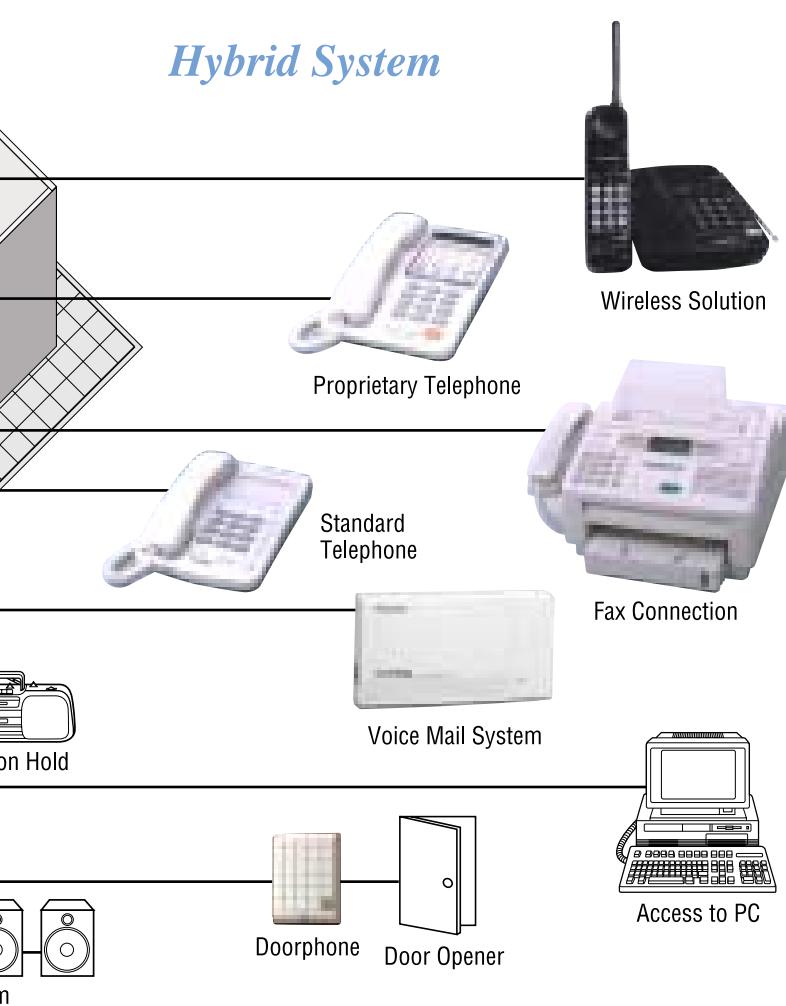
The system is compatible with Caller ID, which allows a user to see the caller's information on Analogue Proprietary Telephones (APT). Proprietary display telephones can be used to access the Caller ID log for the 20 most recent calls (Call Log). The logged incoming calls can be called back easily.

*An optional card is required.

Please contact your dealer or phone company to confirm if the Caller ID service is available in your area.



Hybrid System



Efficient Call Handling

Day / Night / Lunch Mode

The system provides "Day/Night" and "Lunch" mode features which can be used to change system functions according to the time of day. For example, you can designate which phones will ring for incoming calls after hours, or prevent outgoing calls at night.

Doorphone Call / Door Opener

Up to 4 doorphones can be installed. If a visitor presses the doorphone button, a pre-assigned extension user can answer the call and talk to the visitor. Any extension user can call a doorphone. The doorphones are also used for the Room Monitor feature. Up to 4 Door Openers can be connected to the system.

Emergency Call

You can assign 5 numbers which can override toll restriction as an emergency call to the police, fire department, ambulance, etc.

5-party Conference

This feature allows 5 parties to have a telephone conversation at one time.

Up to 2 outside lines can join a conference call.

Room Monitor

An Analogue Proprietary Telephone or Doorphone can be used as a Room Monitor. This feature is useful for monitoring a child room or for security purposes.

Extension Group

The system supports 8 extension groups. In an extension group, the following features can be activated.

Group Call Pickup : Any member of an extension group can pick up a call directed to another group number.

Paging - Group : Any member of an extension group can make a voice announcement to another group member. A hunting group, DISA ring group or UCD group is a specific extension group.

Ringing Pattern Selection

A ringing pattern can be selected depending on the type of call such as an outside call, intercom call and doorphone call. You can distinguish private calls from business calls.

Message Waiting*

Allows an extension user to notify the called extension of a message waiting when the called extension is busy or does not answer the call. Pressing the lit MESSAGE button of proprietary telephone can call back the called party automatically.

*Analogue Proprietary Telephone only.

Economical Cost Management

Calling Activity Reports

(SMDR :Station Message Detail Recording)

The system can record or print out call information such as the date, time, extension number, dialed number, duration, etc. SMDR information can help you manage long distance call costs, staff productivity and phone system usage.

Account Code Entry (Option/Forced/Verified)

Account codes can be used to identify outgoing external calls for accounting and billing purposes. The calling activities made with ID codes can be printed out (SMDR). A "Verified Account Code" is very useful to control toll costs, because a user dialling a long distance number must enter a valid account code to temporarily override toll restriction. Account codes can be used to manage your telephone expenses more effectively.

Toll Restriction

The system can be programmed to prohibit unauthorized outgoing long distance calls by restricting certain extensions from accessing specific area codes / exchange codes.

Electronic Station Lock

Prevents unauthorized personnel from making calls with your phone by "locking" your outside lines and requiring a 4-digit security code before making calls. The operator and manager are given the privilege of controlling Electronic Station Lock at any station by using the DSS console. For Example, this feature is useful for a small hotel when guests have checked out.

Limited Call Duration

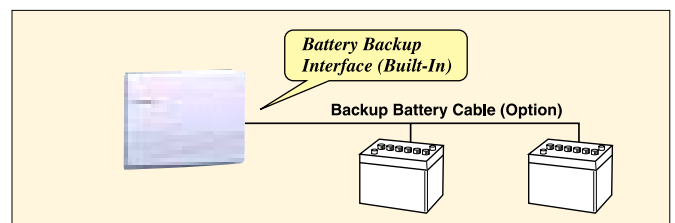
The system disconnects outside outgoing calls when a pre-programmed time expires. An alarm tone will be sent to both parties 15 seconds before the assigned time limit.

Ease of Maintenance

Battery Backup Interface (Built - In)*

This system is equipped with a built-in battery interface which provides full system operation in the event of a power failure.

*An optional connecting cable is required.



Analogue Proprietary Telephones (APT)

● **Auto Answer**

Offers handsfree answering for intercom calls.

● **Intercom**

Used to make or receive an intercom call.

● **Speaker**

Enables extensions to receive paging messages through the built-in speaker.

● **Pause**

Used to insert a pause in a speed dial.

● **Automatic Redial**

Without lifting the handset, redialling can be activated automatically and repeated the assigned number of times until the called party answers.



● **Alphanumeric LCD**

1 line with a 16 character display provides useful information such as Absent Messages, call status, date and time, call duration, and Caller ID*.

● **Flexible CO Keys with Two-Coloured LED (Red / Green)**

User-programmable function keys. Gives visual indication of lines or extensions, i.e., held, busy, free, etc.

● **Speed Dialling (Auto Dial)**

A maximum of 100 pre-programmed system speed dialling numbers can be stored.

● **Message Lamp**

The message lamp indicates that someone is waiting for you to return their call.

● **Transfer**

Used to transfer an outside or intercom call to another extension.

● **Flash**

Used to send a hooking signal to a Central Office.

● **Volume Control**

Adjusts the volumes of the handset and speaker.

● **Speakerphone**

Used for handsfree conversations and on-hook dialling.

● **Hold**

Places a call on hold.

KX-T7330
Display, Speakerphone Set

*An optional card is required. Please contact your dealer or phone company to confirm if the Caller ID service is available in your area.



KX-T7320
Speakerphone Set



KX-T7130
Display, Speakerphone Set



KX-T7020
Speakerphone Set



KX-T7350
Monitor Set



KX-T7030
Display, Speakerphone Set



KX-T7050
Monitor Set

	T7330	T7320	T7350	T7130	T7030	T7020	T7050
Flexible CO Keys	12	12	12	12	12	12	12
Programmable Function (PF) Keys				12	4	4	4
Message Lamp	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alphanumeric Display	1 x 16			1 x 16	1 x 16		
Handsfree	Yes	Yes	Monitor	Yes	Yes	Yes	Monitor
Headset Compatible	Yes			Yes	Yes		

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*Polarity compar

P

Features List

- Absent Message Capability
- Account Code Entry (Option/Forced / Verified)
- Alternate Calling - Ring/Voice
- Automatic Callback Busy (Camp-on)
- Automatic Fax Transfer*
- Battery Backup Interface (Built - in)
- Busy Station Signalling (BSS)
- Call Forwarding
 - All
 - Busy / No Answer
 - Follow Me
 - To Outside
- Calling Party Control (CPC) Signal Detection+
- Call Park
- Call Pickup
- Call Splitting
- Call Transfer
 - To Extension
 - To Outside (CO) Line
- Call Waiting
- Conference (3-Party/5-Party)
- Conference, Unattended (3-Party)
- Data Line Security
- Direct in Line (DIL)
- DISA (Direct Inward System Access) without message
- DISA (Direct Inward System Access) with message*
- Distinctive Dial Tone
- DND (Do Not Disturb)
- DND Override
- Door Opener*
- Doorphone Call*
- DSS Console
- Emergency Call
- Executive Busy Override (Extension / CO Line)
- Executive Busy Override Deny
- Extension Group
- Extension Password/ System Password
- External Feature Access
- Flexible Extension Numbering
- Handsfree Answerback
- Hold
- Intercept Routing
- Intercom Calling
- Limited Call Duration (1~32 minutes)
- Log-In / Log-Out
- Message Waiting
- Music on Hold / Background Music (BGM)
- One-Touch Dialling
- Operator Call
- Outgoing Message (OGM)*
- Paging - All Extension
 - Group
 - External
- Paging Deny
- Parallel Telephone Connection
- Pickup Dialling (Hot Line)
- Polarity Reverse Detection+
- Power Failure Transfer
- Preferred Line Assignment
 - Incoming
 - Outgoing
- Pulse to Tone Conversion
- Redial - Automatic
 - Last Number
 - Saved Number
 - Logged Caller ID*
- Ringing Pattern Selection
- Room Monitor (APT/Doorphone)
- Secret Dialling
- Speed Dialling
 - System
 - Personal
- Station Feature Clear
- Station Hunting
- Station Lock
- Station Lock, Remote
- SMDR (Station Message Detail Recording)
- Time (Day/Night/Lunch) Service
 - Automatic
 - Manual
- Timed Reminder
- Timed Reminder, Remote
- Toll Restriction
- Toll Restriction Override
- UCD (Uniform Call Distribution) with message*
- Voice Mail Integration (APT/DTMF)
- Walking COS (Class of Service)

*An optional card is required.

●Interfaces

RS-232C
Battery Interface
Doorphone/Door Opener
External Music Source
External Pager

*Polarity Reverse Detection is subject to the telephone company services in your country.

Specifications

●Configuration

	Basic	Option (KX-TA30877) 3 COs/8 ext. Card for APT or SLT	Option (KX-TA30874) 8 ext. Card for SLT
CO	3	6	
Extension	8	16	24

●System Capacity (Max.)

ITEM	Maximum Capacity
Operator	1
System Speed Dialling	100
Personal Speed Dialling	10/Ext.
One-Touch Dialling	Max 12/Ext.
Extension Groups	8
UCD Group	1
Toll Restriction Levels	5
Account Codes	24
Call Park	10
Call Log (Caller ID)* ¹	20
Absent Messages	6
Message Waiting	8/Ext.
Emergency Codes	5
External Music Source	1
External Pager	1
Doorphones	4
Door Openers	4
DSS Consoles	2
OGM (Outgoing Message)	30 sec x 2

●Specifications

ITEM	Description
Maximum Capacity	6 COs 24 Extensions (16: Hybrid 8: SLT)
Intercom Paths	4
Dialling Method	External: Tone/Pulse (10 pps, 20 pps) Internal: Tone/Pulse (10 pps, 20 pps)
Dialling Conversion	Tone to pulse, or pulse to tone
Connections	CO Line: Modular Jack (2-wire) Intercom: Modular Jack (4-wire) Paging: Phono Jack External Music: Phono Jack SMDR: RS-232C I/F Port (9 pin D-SUB)
SMDR	Detail Recording: Date, Time, Extension Number, CO Line Number, Dialed Number, Call Duration, Account Code, Caller ID* ¹
Polarity Reverse Detection*	Yes
Voice Mail Ports	2 ports (APT or DTMF)
DTMF Receivers	2
DTMF Generator	1
CO - CO Transfer Path	2
Power Failure Transfer Ports	1
Direct Connection to External Battery	Yes
Power Source	AC 115~240V, 50/60Hz
Power Consumption	45W
Dimensions	284mm x 368mm x 95mm
Weight	2.5Kg

●Options

Option	Description	Max.1
KX-TA30877 3 COs/8 Ext. Card	3 COs 8 Extensions (APT or SLT)	Max.1
KX-TA30874 8 SLT Card	8 Extensions (SLT)	Max.1
KX-TA30860 Doorphone/Door Opener Card	4 Doorphones/1 Card* ² 4 Door Openers/1 Card	Max.1
KX-TA30891 OGM/FAX Detection Card	OGM: 30 sec x 2 Fax Tone Detector	Max.1
KX-TA30893 Caller ID Card* ¹	3 COs/1 Card	Max.1
KX-T30865	Doorphone	Max.4
KX-T7090	Headset	
KX-A227	Back-up Battery Cable	

*¹ Please contact your dealer or phone company to confirm if the Caller ID service is available in your area.

*² Doorphone #1 and Doorphone #2 can not be used at the same time.
Doorphone #3 and Doorphone #4 can not be used at the same time.

APT: Analogue Proprietary Telephone
SLT: Single Line Telephone

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