

Panasonic

KX-TA308 KX-TA616

Advanced Hybrid Systems



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 and KX-TA616 Advanced Hybrid Systems are phone systems which can support your business and personal needs. The KX-TA308 supports 3 outside (CO) lines and 8 extensions. The KX-TA616 supports 6 outside (CO) lines and 16 extensions. With optional cards, you can easily expand your system capacity up to 6 outside (CO) lines and 24 extensions* as your needs grow. Both systems provide 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.

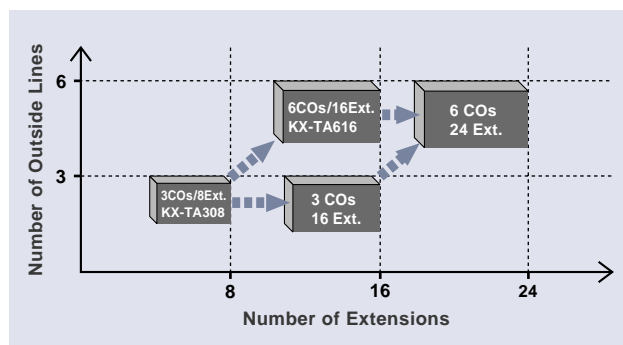
The Panasonic KX-TA308 and KX-TA616 are ideal for a small business or home office requiring a flexible system with a high degree of sophistication.

*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

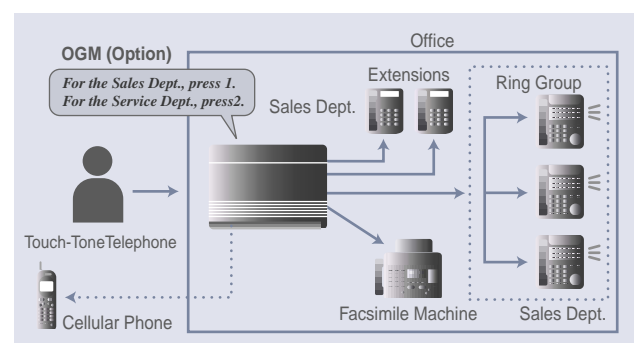
DISA (Direct Inward System Access) with message*

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

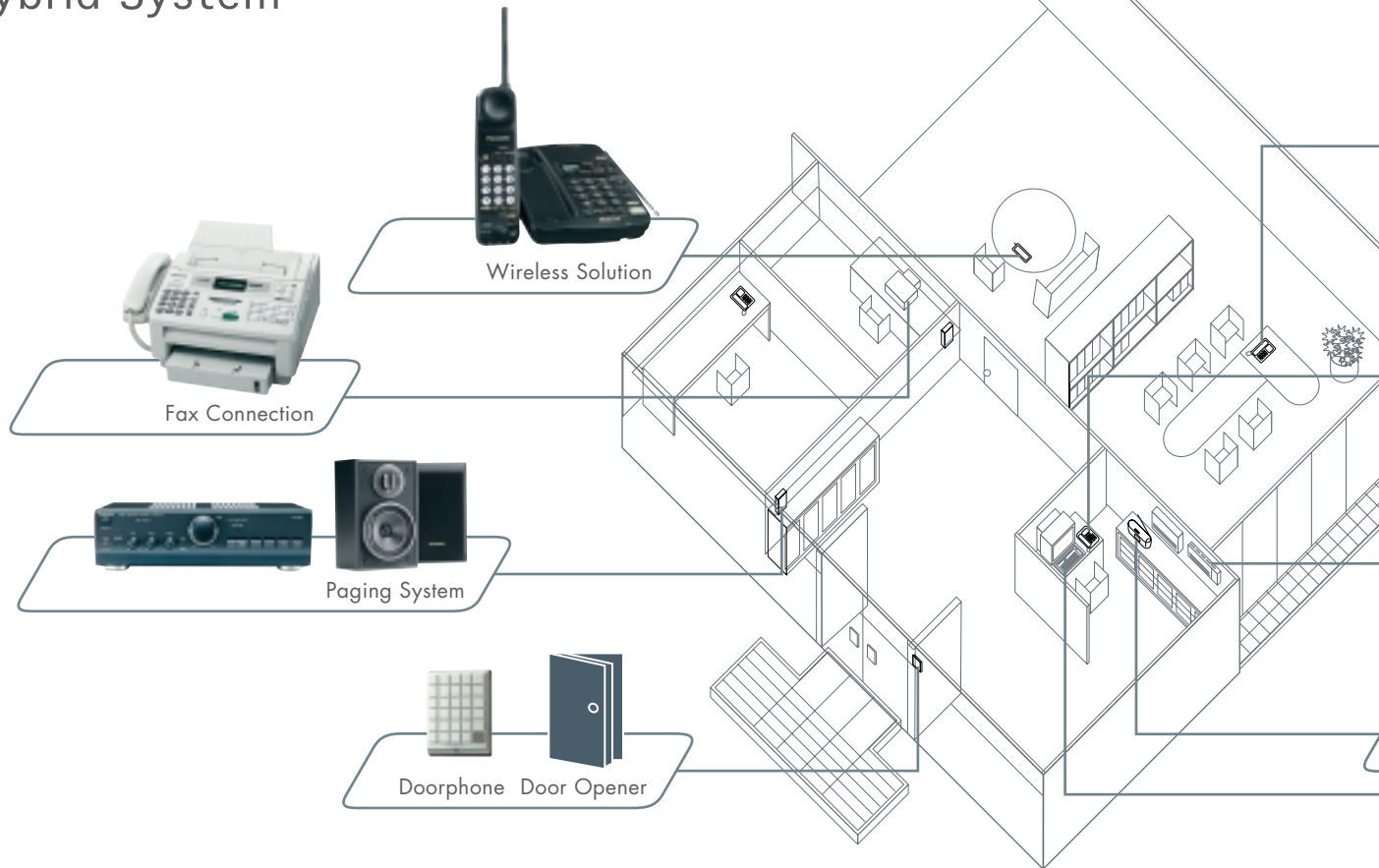
This feature allows outside callers to access any extension without going through an operator. Callers can dial the desired destination such as an extension or Ring Group[†], or even outside lines. With an optional OGM (Automatic Greeting Message) card installed, a caller will hear a greeting message. 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.



■ Hybrid System

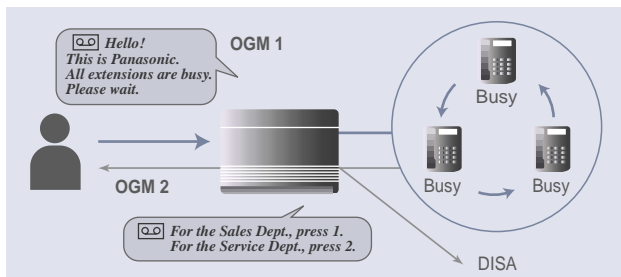


UCD (Uniform Call Distribution) with message*

- 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.



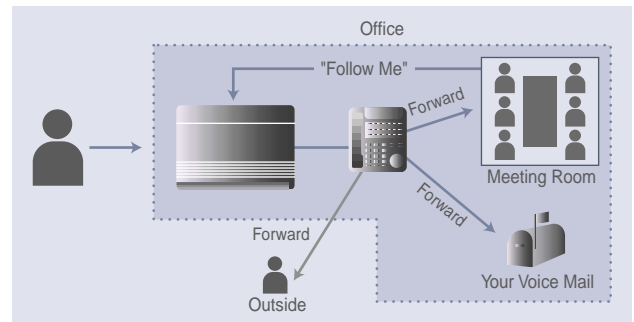
[UCD Hunting routes the call systematically until it finds an idle extension.]

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.



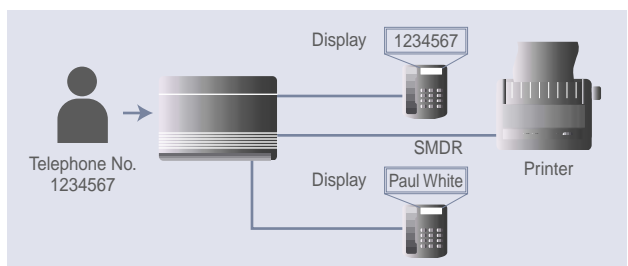
Caller ID*

- 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 (APTs). 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.





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, dialled 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 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

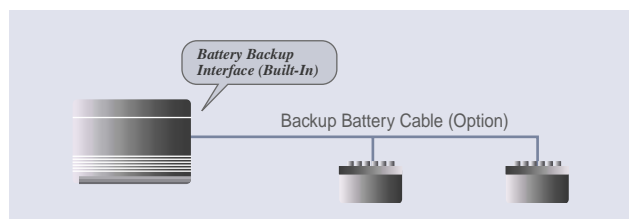
The system disconnects outside outgoing calls when a pre-programmed time expires. An alarm tone will be sent to both parties 15 seconds before the assigned time limit.

Ease of Maintenance

Battery Backup Interface (Built - In)*

The 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.



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.

Analogue Proprietary Telephones (APT)

Bringing a Sleek New Form to Communications

■ KX-T7730

Display, Speakerphone Unit

Call Forwarding/Do Not Disturb

Call forwarding transfers calls to a different telephone. The "Do Not Disturb" function blocks calls when you're busy.

Conference

For making multi-party calls.

Intercom

Use to or receive an intercom call.

Flash/Recall

Use to disconnect a call without hanging up, then to reconnect.

Auto Answer/Mute

Auto Answer: For use with intercom calls.

Mute: Listen in without being heard.

Headset Jack

Talk while using your keyboard.



Redial

For redialling.

Hold

Places a call on hold.

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*.

Programmable Keys with Dual Colour LED (Red/Green)

Enjoy one-touch operation of features such as Direct Station Selection (DSS), Log-In/Log-Out, or voice mail transfer. Dual-colour LEDs show convenient information. A Busy Lamp Field (BLF) shows which extensions are in use.

Incoming Call/Message Lamp

This large, easy-to-see lamp announces incoming calls or messages, so you'll always know whose telephone is ringing – even from a distance.

Message

Use to leave a message-waiting indication, or to reply to one.

Pause

Inserts a pause in speed-dial numbers.

Transfer

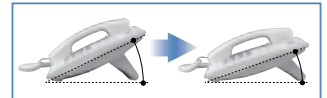
For transferring calls to another extension or to voice mail.

Auto Dial/Store

For use with speed-dialling.

Tilt-Angle Adjustment

The telephone adjusts to either of two angles for easier use and a smaller, space-saving footprint.



Speakerphone for Hands-Free Convenience

Dial or talk without picking up the handset.

Navigator Key

For quick adjustment of the volume and display contrast.

* 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-T7720

Speakerphone Unit



■ KX-T7750

Monitor Unit



■ KX-T7740

DSS Console

Feature	Model	KX-T7730	KX-T7720	KX-T7750
Alphanumeric Display (Lines x Characters)		1 x 16	-	-
Programmable Keys with Dual Colour LED		12	12	12
Feature Access Keys for LCD		Navigator Key		
Hands-Free Speech		●	●	Monitor
SP-Phone (Monitor) Volume Control		Navigator Key	Up/Down Key	Up/Down Key
Handset Volume Control		Navigator Key	Up/Down Key	Up/Down Key
Ringer Volume Control		Slide Switch(Off/Low/High)	Slide Switch(Off/Low/High)	Slide Switch(Off/Low/High)
Contrast Control		Navigator Key	-	-
Incoming Call / Message Lamp		●	●	●
Auto Answer / Mute		●	●	-
Voice Call		-	-	●
Headset Compatible*		●		

* Only a $\phi 2.5\text{mm}$ pin jack is connectable. The use of KX-TCA87 is recommendable.

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.

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

■ Interfaces

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

Specifications

■ Configuration

MODEL		Basic	Option (KX-TA30877) 3 COs/8 ext. Card for APT or SLT	Option (KX-TA30874) 8 ext. Card for SLT
KX-TA308	CO	3	6	
	Extension	8	16	24
KX-TA616	CO	6		
	Extension	16		24

■ System Capacity (Max.)

ITEM	KX-TA308	KX-TA616
Operator	1	1
System Speed Dialling	100	100
Personal Speed Dialling	10 / Ext.	10 / Ext.
One-Touch Dialling	Max 12 / Ext.	Max 12 / Ext.
Extension Groups	8	8
UCD Group	1	1
Toll Restriction Levels	5	5
Account Codes (Verified)	24	24
Call Park	10	10
Call Log (Caller ID)* ¹	20	20
Absent Messages	6	6
Message Waiting	8 / Ext.	8 / Ext.
Emergency Codes	5	5
External Music Source	1	1
External Pager	1	1
Doorphones	4	4
Door Openers	4	4
DSS Consoles	2	2
OGM (Outgoing Message)	30 x 2	30 x 2

■ Specifications

ITEM	KX-TA308	KX-TA616
Maximum Capacity	6 COs 24 Extensions (16: Hybrid 8: SLT)	6 COs 24 Extensions (16: Hybrid 8: SLT)
Intercom Paths	4	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: Conductor Jack External Music: Conductor 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	Yes
Voice Mail Ports	2 ports (APT or DTMF)	4 ports (APT or DTMF)
DTMF Receivers	2	4
DTMF Generator	1	1
CO - CO Transfer Path	2	2
Power Failure Transfer Ports	1	2
Direct Connection to External Battery	Yes	Yes
Power Source	AC 110 - 240 V, 50/60 Hz	
Power Consumption	45W	58W
Dimensions	284 mm x 368 mm x 95 mm	284 mm x 368 mm x 95 mm
Weight	2.5 Kg	2.9 Kg

■ Options

Option	Description	KX-TA308	KX-TA616
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	Max.1
KX-TA30860 Doorphone/Door Opener Card	4 Doorphones/1 Card* ² 4 Door Openers/1 Card	Max.1	Max.1
KX-TA30891 OGM/FAX Detection Card	OGM: 30 sec x 2 Fax Tone Detector	Max.1	Max.1
KX-TA30893 Caller ID Card* ¹	3 COs/1 Card	Max.1	Max.2
KX-T30865	Doorphone	Max.4	Max.4
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

Panasonic



These products are manufactured by Kyushu Matsushita Electric Co., Ltd., which has received both ISO9001 and ISO14001 certification.