t

Electronic Modular
Switching System

KX-T206E

Product Description

Contents

System Parameters

System Microprocessor	8 Bit
System Memory	64 Kilobit RAM
	512 Kilobit ROM
Switching	Space Division
Cabling (proprietary)	2 pairs (4 wires)
Analogue (SLTs)	1 pair (2 wires)
Exchange Paths	Non Blocking
Intercom Paths	2

System Hardware

Cabinets

Note: This table shows the maximum values possible in the system, the actual values will depend upon the configuration of the specific system and its components.

Maximum port configurations	
Exchange line ports	2
Extension ports	6
Max number of Keyphones	6
Max number of SLTs	18 (3 per port)
Max number of Extensions	6

System Components

KX-T206E Central Control Unit

The central control unit is fully configured at 2 exchange lines and 6 extension ports. The following devices are built in:

1. Doorphone interface
2. Door opener interface
3. Ring generator
4. DTMF receivers
5. All system control

KX-T20691E DISA/Fax detect Card

This optional card allows Direct Inward System Access with Greeting Message on both lines. It will also detect incoming fax calls and route them to the fax extension.

KX-T30865E Doorphone Unit

Doorphone unit provides intercom to persons at the door.

Hand-set Options

1. Proprietary Keyphones (KX-T7050E, KX-T7020E and KX-T7130E)
3. Single Line Devices

The KX-T206E offers the choice of a wide range of key hand-set.

The features which are available to hand-set users will depend upon the type of hand-set being used.

Hand-set Features

Key features of the KX-T206E hand-sets are:

One-Touch keys	The one-touch keys provide single key access to personal speed dials or system features allowing them to be called up with a single key press.
Flexible keys	Flexible keys are used as line use indicators. Unused Flexible keys can be programmed with other system functions or used as extension calling and busy lamp field keys.
Dual colour LEDs	The Flexible keys each have a dual colour LED which is used when the key is programmed as a line, extension, message waiting or call forward call key to show the status.
Distinctive HOLD key operate.	The HOLD key's orange colour and prominent position make it easy to locate and
Volume control	To adjust ringing and speaker volumes independently..
LCD display	The KX-T7130E has an alphanumeric display allowing the display of information and messages which enhance its functionality.

Hand-set Types

The table below lists hand-set types and their key specifications.

Model	Description	Flexible Keys	One Touch Keys	Dual colour LEDs	Alphanumeric Display	Handsfree
KX-T7050E	12 key standard	12	4	✓		
KX-T7020E	12 key handsfree	12	4	✓		✓
KX-T7130E	12 key display	12	12	✓	✓	✓

Answering Calls

Direct Inward System Access DISA

Description

Any number of exchange lines can be assigned as DISA lines. A line assigned as a DISA line automatically answers an incoming call and presents the caller with a greeting message. The caller can then dial the extension number they require and be connected to that extension without the need for assistance. Callers who are unable to access their required extension (because they have a pulse dialling telephone) or dial an invalid number will be connected to the first extension. If a call goes unanswered the system can be programmed to ring all or any number of extensions on the system.

Benefits

Persons familiar with the facility can dial directly to the extension they require.

Flexible Ringing Assignment

Description

The ringing assignment is completely flexible so any line can be assigned to ring at any extension(s). The ringing assignment can be different in day and night modes depending on user requirements

Benefits

Assures coverage for outside lines. Allows for customisation of the system in order to meet a wide variety of applications.

Delayed Ringing

Description

The delayed ringing assignment is completely flexible so that any line can be assigned to ring at any extension(s). Extensions can be set to ring after 1, 2, 3, or 4 rings delay. Other settings include visual indication only or no indication of call arrival.

Benefits

Assures coverage for outside lines if unanswered at the first (immediate ringing) pattern of extensions. Allows for customisation of the system in order to meet a wide variety of applications.

Call Pick Up

Description

Call pick up allows you to answer calls which are ringing at other extensions by activating a feature button or dialling an access code.

Benefits

Provides improved call coverage by allowing you to answer ringing extensions without having to walk to them.

Doorphone Assignment

Description

Doorphone calls can be set to ring at any combination of extensions, the pattern may be different at night if necessary. The extensions which may operate the door release can also be controlled to ensure security.

Benefits

Allows anyone to speak to callers at the door and to allow them in if desired.

Flexible Function Keys

Description

The Flexible keys can be programmed to access a feature by pressing a single button. The features which can be placed under a key are as follows:

1	Exchange line key	7	Call forward
2	Direct line access	8	Do not disturb
3	Pooled line key	9	Loud ring bell pick-up
4	Extension selection key	10	Speed dial
5	Paging access	11	Night transfer
6	'Meet me' paging answer	12	Any feature accessible by dialling a code.......

Benefits

This provides the flexibility to customise a phone to the users needs. It makes easy, one step feature access available as an alternative to feature access codes.

Flexible Night Service

Description

When the system is placed into night mode the extensions can be assigned to ring on a per line / per extension basis, differently than during the day mode.

Benefits

Provides flexible ringing for day use and a different ringing pattern for night.

Holding Calls

Description

This feature allows an extension to put a call on hold and for the call to be retrieved from any phone by pressing the associated line key.

Transferring & Intercom Calls

Internal Voice / Tone Calls

Description

The KX-T206E can be set up to either voice call or tone call for intercom calls. With a voice call the caller's announcement is heard over the speaker of the called extension if it is not busy. Tone call will sound a tone at the receiving extension until the call is answered or the caller hangs up, the recipient can use auto answer to provide handsfree answering if their extension supports the facility. This option is set up through extension programming.

Benefits

Allows each customer to select which method would best suit their requirements.

Transfer (screened / unscreened)

Description

The screened transfer feature requires that the called extension has answered and the call is announced before the transfer takes place.

The unscreened feature allows extension users to transfer their internal or external calls without having to announce the caller.

Unanswered calls will return to the extension that originated the transfer or to the operator.

Benefits

Provides efficient call processing
User friendly operation

Conference Calls

Description

This feature enables the user to conference:
Three 3 internal parties, Two internal and one external or two external and one internal..

NOTES: The system can accommodate up to two simultaneous conference calls.

Locating Calls

Paging With Meet Me

Description

The KX-T206E can page all extensions simultaneously.

Paging will not be heard from the speakers of extensions which are busy.

A "meet me answer page" allows a user upon being paged to be connected to the extension paging by entering a code.

Benefits

Improves efficiency in locating persons by providing dial access to paging.

Improves efficiency by providing faster response time to calling parties.

Call Splitting

Description

This allows you to hold a call and answer another call and to be able to swap between the two calls.

Do Not Disturb

Description

Do not disturb enables any extension user to stop all intercom and exchange line calls from ringing on their extension. When activated a do not disturb signal is sent to the calling party. Any extension can also have the privilege of overriding do not disturb set through programming.

Benefits

Enables user to quickly and easily initiate privacy for important meetings, etc.

Call Forwarding

Description

Incoming calls (internal and external) can be routed to another extension by pressing the feature key and then the extension number. The name of the extension or outside line number of the calling party appears on the display of the destination extension.

Outgoing Calls

Speed Dialling - System

Description

There are 40 system memory locations. Any number up to 32 digits in length can be stored in a memory location. The system speed dial numbers can be assigned to override call barring.

Benefits

All extensions can share a common list of frequently dialled numbers.

Last Number Re-dial

Description

Pressing the REDIAL key re-dials the last number dialled without having to clear the line. If the line has been cleared the re-dial key will re-seize the line and re-dial the last number dialled.

Benefits

Saves time and frustration when trying to reach a busy number.

Auto CO Hunting

Description

By simply lifting the handset of your telephone an outside line is automatically selected.

Benefits

Saves you having to select an outside line, eliminates one step if you make more external calls than internal ones.

Outgoing Permitted CO Assignment

Description

Allows the extensions to be permitted access to the exchange lines. Extensions my be allowed access to both, or either exchange line, or not allowed access

Benefits

Can be used to keep business calls separate from personal calls.

Least Cost Routing (LCR)

E & O E

Description

With least cost routing feature, the system can choose the most cost-effective outgoing network based on the outside number dialled. After the outgoing destination number is dialled, the LCR stores and examines the number on the basis of area code used.

The system will then check the restriction level of the user. If allowed the system will check the route of the dialled number.

One direct and up to four indirect carriers can be used on the KX-T206E.

Benefits

Improves management of telephone expenses by providing automatic routing of outgoing calls over the most economical facility available.

Call Restriction

Description

Call restriction in the KX-T206E allows the control of access to external telephone numbers. The levels of restriction are as follows:

Level	Restriction
1	No restrictions
2	10 area codes may be denied and 10 exceptions may be specified
3	20 area codes may be denied and 10 exceptions may be specified
4	999 and extension calls only

Dialling using the SSD automatically overrides call barring.

For each area or exception code up to 7 digits may be entered.

"*" or "#" may be checked to ensure correct operation of the call barring system.

Benefits

Controls call costs and prevents call abuse by providing automatic blocking of calls placed to restricted numbers.

Other Features

Headset Connection

Description

The KX-T7130E is headset compatible. Headset operation can be set and cancelled using the headset / handset switch on the KX-T7130E telephone. When headset operation is activated all audio is switched to the headset, including speaker audio. The headset feature can also used with the DSS console keys to allow ease of use.

Benefits

Allows headset operation at any extension thereby increasing the efficiency.

Automatic Answer

Description

All keyphones with a speakerphone, are equipped with an automatic answer button for intercom calls. When an internal call is received the extension user being called can reply to the caller without lifting the hand-set.

Benefits

Simplifies call processing by allowing internal calls to be answered without having to pick up the hand-set. Ideal for hands free environments such as engineers, architects, executives, doctors etc.

Automatic Recall

Description

All calls transferred through extensions and left unanswered will automatically revert back to the transferring extension after a set time. The KX-T206E has an adjustable recall timer.

Benefit

Improves customer service by ensuring that calls are processed and handled within a given time.

On Hook Dialling

Description

There is no need to lift the hand-set when placing a call with any keyphone. When placing a call simply press the line or SP-PHONE/MONITOR key and dial the required number. Also, while in a conversation, it is possible to monitor the conversation by simply pressing the SP-PHONE/MONITOR key and replacing the hand-set. If you are using a non speaker phone simply pick up the hand-set to continue your conversation.

Benefits

Increases productivity by freeing up users and allowing them to do paperwork, etc.

Volume and LCD Contrast Adjustment

Description

There are different volume control functions available to keysets on a per extension basis. One volume control for the speaker, another for the ringer and one for the LCD display contrast.

Dual Colour LEDs

Description

Each exchange line key has a dual colour LED. Red is a busy line and green is the line you are speaking on. When a key is assigned as a BLF these dual colours are also utilised to indicate busy extensions, extensions that are in a DND mode, and extensions that are in a call forward mode.

Benefits

Lets you know which line you are talking on, especially when a call is put on hold.
When a call is transferred to another extension, in addition to ringing, the line will also flash green indicating which line is being transferred.
Applications include manager /secretary operation.

Microphone Mute

Description

Users have the ability to switch off their microphone for privacy.

Benefits

To ensure privacy while using the speakerphone.

Doorphone Interface

Description

A door-phone can be attached, which may be set to ring on any combination of extensions. The KX-T206E can also support a relay to control a door release mechanism for each doorphone. The doorphone / opener can be controlled by any extension.

Benefits

Provides security for entrances unattended.

Pulse / DTMF Dialling

Description

Each of the exchange lines can be programmed for DTMF (dual tone multi frequency) or loop disconnect (pulse) dialling on a per line basis.

Benefits

This allows for different types of lines to be attached to the system without the need for special equipment.

Produced By

Paul White
Panasonic Business Systems
Panasonic House, Willoughby Road, Bracknell
Berkshire RG12 8FP
Printed in the UK