

Panasonic

ideas for life



Advanced Hybrid System

KX-TES824
KX-TEM824



Analogue Proprietary Telephones (APT)

Bringing a Sleek New Form to Communications

■ KX-T7735

3-Line 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 make or receive an intercom call.

Flash/Recall

Use to disconnect a call without hanging up, then to reconnect or to send an EFA (External Feature Access) signal.

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.

Speakerphone for Hands-Free Convenience

Dial or talk without picking up the handset.

Alphanumeric LCD

3 line with a 16 character display provides useful information such as Absent Messages, call status, date and time, call duration, incoming call log of BV 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, Dual-colour LEDs show convenient information. A Busy Lamp Field (BLF) shows which extensions are in use.

Programmable Feature Keys

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.



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



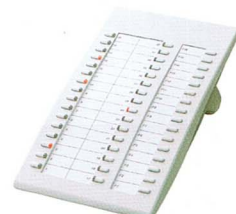
■ KX-T7730
LCD, Speakerphone Unit



■ KX-T7720
Speakerphone Unit



■ KX-T7750
Monitor Unit



■ KX-T7740
DSS Console

* Black model is available.

Feature	Model	KX-T7735	KX-T7730	KX-T7720	KX-T7750
Alphanumeric Display (Lines x Characters)		3 x 16	1 x 16	-	-
Programmable Keys with Dual Colour LED		12	12	12	12
Programmable Feature (PF) Keys		12	-	-	-
Feature Access Keys for LCD		Navigator Key	Navigator Key	-	-
Hands-Free Speech		●	●	●	Monitor
SP-Phone (Monitor) Volume Control		Navigator Key	Navigator Key	Up/Down Key	Up/Down Key
Handset Volume Control		Navigator Key	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)	Slide Switch (Off/Low/High)
Contrast Control		Navigator Key	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.

Configuration

	Basic	Option (KX-TE82480) 2COs / 8 SLTs	Option (KX-TE82483) 3COs / 8 Hybrid Extensions	Option (KX-TE82474) 8 SLTs
KX-TE824	Outside (CO) Lines:3 Extensions : 8	5		
		16	6	
			16	
				3
				16
KX-TEM824	Outside (CO) Lines:6 Extensions : 16		6	
			16	
				6
		5	8	
		16	24	
			6	
		8	24	

System Capacity (Max.)

ITEM	KX-TE8/TEM824
Operator	1
System Speed Dialling	100
Personal Speed Dialling	10 / Ext.
One-Touch Dialling	Max 24 / Ext.
Extension Groups	8
UCD Group	1
Toll Restriction Levels	5
Account Codes (Verified)	50
Call Park	10
Call Log (Caller ID)*3	20 (Personal) 300 (Common)
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
Outgoing Message (DISA)	360 sec
Outgoing Message (BV)	125 messages or 60 min. (/1 ch)

Specifications

ITEM	KX-TE824	KX-TEM824
Maximum Capacity	8COs 24 Extensions (16:Hybrid 8:SLT)	8COs 24 Extensions (16:Hybrid 8:SLT)
Intercom Paths	4	4
Dialling Method	External: Tone (DTMF) / Pulse (10 pps, 20 pps) Internal: Tone (DTMF) / Pulse (10 pps, 20 pps)	
Dialling Conversion	Pulse → DTMF	
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) Programming: RS-232C / USB / Remote modem	
SMDR	Detail Recording: Date, Time, Extension Number, CO Line Number, Dialed Number, Call Duration, Account Code, Caller ID*3	
Polarity Reverse Detection*2	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 (W x H x D)	368 mm x 284 mm x 102 mm	368 mm x 284 mm x 102 mm
Weight (when fully expanded)	Approx. 3.5 Kg	

Options

Option	Description	KX-TE824	KX-TEM824
KX-TE82460	2-Port Doorphone / Door Opener Card	Max.1	Max.1
KX-TE82461	4-Port Doorphone / Door Opener Interface Card*4	Max.1	Max.1
KX-TE82474	8-Port Single Line Telephone Extension Card	Max.1	Max.1
KX-TE82480	2-Port Analogue CO Line and 8-Port Single Line Telephone	Max.1	Max.1
KX-TE82483	3-Port Analogue CO Line and 8-Port Hybrid Extension Card	Max.1	
KX-TE82491	Message Expansion Card for OGM (1ch,180sec)	Max.1	Max.1
KX-TE82492	2-Channel Voice Message Card	Max.1	Max.1
KX-TE82493	3-Port Caller ID Card	Max.3	Max.3
KX-T30865	Doorphone	Max.4	Max.4
KX-A227	Back-up Battery Cable		

- Absent Message Capability
- Account Code Entry (Option / Forced / Verified)
- Alternate Calling - Ring / Voice
- Automatic Callback Busy (Camp-on)
- Automatic Configuration for Outside (CO) Line Type
- Automatic Fax Transfer
- Battery Backup Interface (Built - in)
- Built-in Voice Message (BV)*1
- Busy Station Signalling (BSS)
- Call Forwarding
 - All
 - Busy / No Answer
 - Follow Me
 - To Outside
- Caller ID Display on SLT and APT*1 *3
- Calling Party Control (CPC) Signal Detection*2
- Call Park
- Call Pickup
- Call Routing for Fixed Line SMS
- 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) with message (3-level, 1ch, 180sec)
- Distinctive Dial Tone
- DND (Do Not Disturb)
- DND Override
- Door Opener*1
- Doorphone Call*1
- 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*2
- Power Failure Transfer
- Preferred Line Assignment
 - Incoming
 - Outgoing
- Programming (via PT / PC)
- Pulse to Tone Conversion
- Redial
 - Automatic
 - Last Number
 - Saved Number
 - Logged Caller ID*1
- 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)

Interfaces

RS-232C
USB (1.1)
Battery Interface
Doorphone / Door Opener
External Music Source
External Pager

*1 An optional card is required.

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

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

*4 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