

Our Straightforward Guide to Panasonic Systems



Panasonic

A Straightforward Welcome

Spitfire specialise in providing a comprehensive service for customers that extends from designing and implementing a telephony and data communications network, to providing line rental and call billing with complete after sales technical support and customer service.

Spitfire are one of only 29 Carrier Pre-Selection operators in the UK, and as a major Internet Service Provider, Spitfire can offer its customers the right carrier solution from Ethernet Circuits, SIP, VoIP, VDSL, ADSL, SDSL, ISDN 30, Analogue lines and mobile.

This means that Spitfire customers are provided with an integrated communications solution that delivers cost savings and real benefits for business productivity and efficiency.



Contents

System Supply & Support	3
System Capabilities	4-5
KX-TDE380E & KX-TES824	6
System Keyphones	7
KX-TDA15E	8-9
KX-TDA30	10-11
Digital Handsets	12-13
KX-TDE100	14-15
KX-TDE200/600	16-19

KX-NCP500 Series	20-21
IP Handsets	22
Business DECTs	23
KX-TVM50/200	24
CommsOffice software	25-26
Proteus Office & KX-NT400	27

Spitfire Services

As a Panasonic specialist with offices in London and the West Midlands, Spitfire is dedicated to providing customers with integrated communication solutions that deliver cost savings and real benefits for business productivity and efficiency.

Spitfire believes in using technology to help you meet your business goals, both now and in the future. By combining technology from leading class companies with our expertise in solutions design, installation, commissioning and support, we make sure your communications infrastructure responds to the needs of your business.



**Your
Panasonic Team**

Installation and Maintenance

Spitfire offer complete support for your business systems, including telephony, and connections round the clock, all year round. Simply tell us the kind of support you need and we will tailor a program to deliver the service level you require to support your business.

Why Spitfire?

Formed in 1988 and based in Vauxhall, London: Spitfire Digital Networks provides telecommunications services to a wide range of small and medium sized business customers.

Our objectives are to:

- Work with customers to identify their business requirements and opportunities from a telecommunications perspective
- Design an integrated solution that delivers cost savings and real benefits for business productivity and efficiency
- Deliver that solution in the most effective and business friendly manner
- Provide a high level of subsequent ongoing customer care and support

Above all we aim to provide our customers with the maximum benefits from modern telecommunications technology, while enabling them to continue to focus on the management of their core business.

To achieve these objectives, we have for many years:

- Developed our own extensive telecommunications network infrastructure
- Formed relationships with market leading telecommunications carriers and suppliers of telecommunications and information technology equipment
- Recruited high calibre staff and provided comprehensive technical and professional training
- Implemented industry best practice policies, procedures and systems

Key contact numbers

Sales: **020 7501 3333**
Support Desk: **020 7501 3030**
E-mail: **sales@spitfire.co.uk**
Web: **www.spitfiredigitalnetworks.co.uk**

London

6-7 SBBC, Ponton Road
London SW8 5BL

Tel: **020 7501 3333**
Fax: **020 7501 3311**

Midlands

44 The Business Centre, Edward Street
Redditch B97 6HA

Tel: **0121 348 7700**
Fax: **0121 348 7701**

System Capabilities

	KX-TEA308E 	KX-TES824 	KX-TDA15 	KX-TDA30 (with MEX) 
Type of System	Hybrid IP PBX	Hybrid IP PBX	Advanced Hybrid IP PBX	Advanced Hybrid IP PBX
Suitable	Analogue lines only, non expandable	Analogue lines only	Remote branches and homeworkers, Analogue, ISDN2, IP extensions, SIP, IP networking	Remote branches and homeworkers, Analogue, ISDN2, IP extensions, SIP, IP networking
Optional Applications	Analogue CLI, Voice mail, Direct Inward System Access (DISA), Doorphone/Door opener	Analogue CLI, Voice mail, DISA, Doorphone/Door opener	Voice mail, Call Management Software, Cordless Telephony (DECT), Integrated Headsets, Computer Telephony Integration (CTI), Remote Branches and Home Worker Solution	Voice mail, Call Management Software, Cordless Telephony (DECT), Integrated Headsets, Computer Telephony Integration (CTI), Remote Branches and Home Worker Solution
Extensions	8	24	20	52
Single Line Telephone	8	24	12	24
Digital Proprietary Phone	-	-	16	48
Legacy Proprietary Phones	8	16	4	24
Analogue Proprietary Phones	8	16	4	4
IP Handsets	-	-	4	4
Trunk Ports	3	8	8	12
Analogue Lines	3	8	2	12
BRI (ISDN2) Trunk	-	-	4 Circuits (8 channels)	6 Circuits (12 channels)
PRI (ISDN30) Trunk	-	-	-	-
IP-GW Card	-	-	1 (4 channel)	1 (4 channel)
DECT Cell Stations	-	-	2	8
DECT Handsets	-	-	28	28
Dimensions (W x H x D)	249 x 316 x 73mm	368 x 284 x 102mm	275 x 376 x 117mm	275 x 376 x 117mm
Weight	1.8kg	3.5kg	3.5kg	3.5kg
Handsets Supported	KXT7700 Series	KXT7700 Series	KXTDA7600 Series	KXTDA7600 Series
	KXT7000 Series	KXT7000 Series	KXTD7200 Series	KXTD7200 Series
			KXTD7400 Series	KXTD7400 Series
			KXT7000 Series	KXT7000 Series
			KXT7700 Series	KXT7700 Series
			KXTD300 Series	KXTD300 Series
			KXT/NT265	KXT/NT265
			KXT/NT136	KXT/NT136
			V5 - NT300	V5 - NT300

KX-TDE100	KX-TDE200	KX-TDE600	KX-NCP500	KX-NCP1000
				
Advanced Hybrid IP PBX	Advanced Hybrid IP PBX	Advanced Hybrid IP PBX	Network Communication Platform	Network Communication Platform
Pure IP system, analogue lines, ISDN2, ISDN30, IP extensions, SIP, IP networking	Pure IP system, analogue lines, ISDN2, ISDN30, IP extensions, SIP, IP networking	Pure IP system, analogue lines, ISDN2, ISDN30, IP extensions, SIP, IP networking	Pure IP system, analogue lines, ISDN2, ISDN30, IP extensions, SIP, IP networking	Pure IP system, analogue lines, ISDN2, ISDN30, IP extensions, SIP, IP networking
SIP supported trunks & extensions, Homeworkers, Voice mail, Call Management, DECT	SIP supported trunks & extensions, Homeworkers, Voice mail, Call Management, DECT	SIP supported trunks & extensions, Homeworkers, Voice mail, Call Management, DECT	SIP supported trunks & extensions, Homeworkers, Voice mail, Call Management, DECT	SIP supported trunks & extensions, Homeworkers, Voice mail, Call Management, DECT
256	256	1152 (DXDP)	64	104
96	128	960	20	36
128	256	640	20	36
32	128	512	6	10
64	128	320	4 (km)	4 (km)
96	128	640	72	96
120	128	640	12	16
96	128	640	12	16
48 Circuits (96 channel)	64 Circuits (128 channel)	640	6 Circuits (12 channel)	8 Circuits (16 channel)
4 Circuits (120 channel)	4 Circuits (120 channel)	600	2 Circuits (60 channel)	2 Circuits (60 channel)
64	64	640	8 channel	32 channel
32	32	128	4	8
128	128	512	64	64
334 x 390 x 272mm	430 x 413 x 276mm	430 x 413 x 276mm	430 x 86 x 340mm	430 x 128 x 340mm
<12kg	<16kg	<16kg	6.5kg	7.5kg
KXT7600 Series	KXTDA7600 Series	KXT7600 Series	KXT7700 Series	KXT7700 Series
KXT7400 Series	KXTD7400 Series	KXT7400 Series	KXT7600 Series	KXT7600 Series
KXT7000 Series	KXTD7000 Series	KXT7000 Series	KXDT300 Series	KXDT300 Series
KXT7700 Series	KXT7700 Series	KXT7700 Series	KXNT300 Series	KXNT300 Series
KXTD300 Series	KXTD300 Series	KXTD300 Series	KXNCS8100 Series	KXNCS8100 Series
3rd Party SIP Extns	3rd Party SIP Extns	3rd Party SIP Extns	3rd Party SIP Extns	3rd Party SIP Extns
NT300	NT300	NT300		
NT265	NT265			
NT136	NT136			

KX-TEA308E



UP TO
8 users

Suitable for > Hybrid PBX,
Analogue lines only

The KX-TEA308E is the ideal solution for small businesses or home offices requiring a flexible PBX system with a high degree of sophistication.

It can cost-effectively support all your customers' personal and business communication needs and is supplied fully configured for 3 lines and 8 extensions, therefore requiring no expansion cards. Packed with many features, the KX-TEA308E includes an optional internal voice message card with 8 mailboxes and 60 minutes recording time.



Initial Configuration

3 lines
8 hybrid extensions

Key features

- USB PC programming
- Built-in modem
- Built-in 1cm DISA facility
- Battery backup interface built in

Options

- Voicemail
- Door entry

Description

Central Control Unit

KX-TEA308E CCU (3 lines, 8 extns)

Additional Cards

KX-TES82493NE caller ID card for 3 lines

KX-TE82460NE 2 port door phone/interface card – 1

KX-TE82492NE 2 channel voice message card (8 mailboxes, 60 minutes) – 1

KX-T30865E doorphone unit – 2

KX-T7765 doorphone unit

KX-TES824



UP TO
24 users

Suitable for > Hybrid PBX,
Analogue lines only

The KX-TES824 Advanced Hybrid PBX system provides features that can satisfy the demands of even the most advanced users.

Pre-configured for 3 lines and 8 extensions, it can be expanded to a maximum of 8 lines and 24 extensions. It also features an optional internal voice message card with 24 mailboxes and 60 minutes recording time.



Initial Configuration

3 lines
8 hybrid extensions

Maximum Configurations

8 lines
24 extensions
(16 hybrid + 8 SLT)

Key features

- USB PC programming
- Built-in modem
- Built-in 1cm DISA facility
- Battery backup interface built in

Options

- Voicemail
- Door entry

Description

Central Control Unit

KX-TES824 CCU (3 lines, 8 extns)

Additional Cards

KX-TES82483E 3 port analogue line & 8 hybrid extension card – 1

KX-TES82480E 2 port analogue line & 8 SLT extension card – 1

KX-TES82474E 8 port SLT card – 1

KXT82491NE 1 channel DISA outgoing message card/fax detection – 1

KX-TES82492NE 2 channel voice message card (24 mailboxes, 60 mins) – 1

KX-TES82494NE caller ID card for 3 lines – 3

KX-TES82461NE doorphone/release card for 4 doorphones – 1

KX-TE82460NE doorphone/door release card for 2 doorphones – 1

KX-T30865 doorphone unit 4 – 2

KX-T7765 doorphone unit

KXA 227 battery pack

System Keyphones

Panasonic

Suitable for > Primarily for use with KX-TEA308E and KX-TES824

Key Benefits of the KX-TEA308E and KX-TES824

- Simple, cost effective communications platform
- Common range of handsets
- Ideal replacement / upgrade path for KX-T308 / KX-T616 / KX-TDA624 legacy systems
- Simple to use PC programming interface via USB
- Remote access
- Supports simplified voicemail / DISA
- Easy to install

All handsets are available in white



KXT/7335

- LCD – 3 line backlit
- Programmable keys – 24
- Headset compatible

KXT/7735

24 key, hands free, 3 line LCD (white)

KXT/7735/BK

24 key, hands free, 3 line LCD (black)



KXT/7730

- LCD – 1 line
- Programmable keys – 12
- Headset compatible

KXT/7730

12 key, hands free, 1 line LCD (white)

KXT/7730/BK

12 key, hands free, 1 line LCD (black)



KXT/7720

- Programmable keys – 12
- Hands free
- Speakerphone

KXT/7720

12 key, hands free, non-display (white)

KXT/7720/BK

12 key, hands free, non-display (black)



KXT/7750

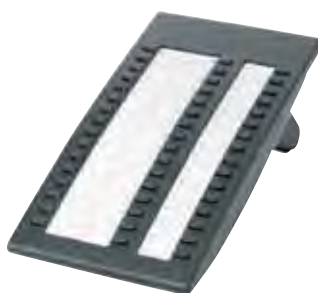
- Programmable keys – 12
- Conference
- Hands free

KXT/7750

12 key, standard, non-display (white)

KXT/7750/BK

12 key, standard, non-display (black)



KXT/7740

- DSS console
- Programmable keys – 48

KXT/7740

48 key, DSS console (white)

KXT/7740/BK

48 key, DSS console (black)



KXT/7710

- Automatic programming
- SLT
- Message waiting

KXT/7710

Business SLT with message LED (white)

KXT/7710/BK

Business SLT with message LED (black)

KX-TDA15E



UP TO
20 users

Suitable for > Analogue, ISDN2, IP extensions, SIP,
IP networking

The Panasonic KX-TDA15E combines PBX reliability with IP technology offering an efficient, simple and flexible communication solution.

It is supplied with 4 ISDN channels built-in and provides an extremely cost effective solution for smaller applications. KX-TDA15 offers a maximum of 8 trunks plus 4 IP channels and 20 extensions, and can be easily expanded to suit a growing company's needs.

Initial Configuration

4CH ISDN 2
12 extensions
(4 digital + 4 DXDP + 4 SLT)

Maximum Configurations

8 lines + 4 IP
20 extensions + 4 IP
(16 digital + 4 analogue) or
(8 digital + 12 analogue)

Extensions

Extension total	20*
Single line telephone	12
Proprietary telephone	16 (DXDP)

Trunks

Trunk port	8ch
Analogue lines	2
BRI (ISDN2)	4 (8ch)
IP-GW card/ch	1 (4ch)
Doorphone port	4

DECT

Cell stations	2
DECT handsets	28

Other

PC Phone	
PC Console	2

Configuration Guidelines

Maximum 1 analogue line card
Do not exceed 8 trunks
Do not install dual port ISDN2 upgrade card and single port ISDN2 card in same system as this will exceed the maximum capacity



Now
supports
SIP Trunks

Built-in features

- Supports CLI to 8 analogue extensions
- Rack mountable 19" (option)
- Multi-tenancy operation
- Advanced hotel features
- DISA with messages (optional)
- VoIP enabled (optional)
- Free hotel application interface software (optional)

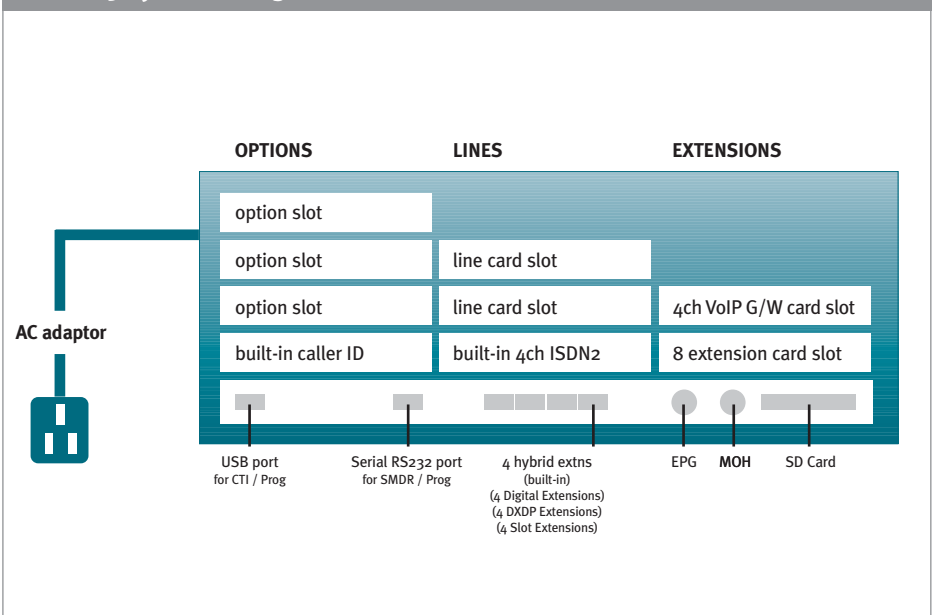
IP options

- Proprietary IP trunks
- Proprietary IP extensions
- SIP Trunks

Voicemail options

- KX-TDA3194 – internal voicemail card
 - Voice message card – 2ch
 - Mailboxes – 20
 - Recording time – 60 minutes
 - Maximum 2 cards per system
- Fits into available option slot
- Alternatively the KX-TVM50 or KX-TVM200 voicemail systems can be used with this system (see pg 24)

KX-TDA15 System Configuration



Description
Central Control Unit
KX-TDA15E CCU (4ch ISDN2 & 4 digital + 4 D-XDP + 4 SLT) with Caller ID
Line Units
KX-TDA3183 2 port analogue line card
KX-TDA3283 2 channel ISDN2 card – 2
KX-TDA3280 4 channel ISDN2 card
KX-TDA3480 4 channel VoIP trunk card
KX-TDA3450 x 4 channel SIP trunk card
KX-TDA3451 x 4 channel SIP DSP card
Extension Cards
KX-TDA3470 4 channel IP extension card
KX-TDA3174 8 port SLT extension card
KX-TDA3172 8 port digital extension card
Option Cards
KX-TDA3166 8 channel echo cancel card
KXT-30865 doorphone unit (plastic)
KXT-7765 doorphone unit (silver)
KX-TDA3194 2 channel enhanced message card
KX-TDA3161 4 port door phone
KX-A244X KX-TDA 19" rack kit
KX-TDA3920 SD card v3 enhanced

Description
Keyphones
KX-DT321 8 key, 1 line LCD speakerphone (white)
KX-DT321 8 key, 1 line LCD speakerphone (black)
KX-DT333 24 key, 3 line LCD speakerphone (white)
KX-DT333 24 key, 3 line LCD speakerphone (black)
KX-DT343 24 key, 3 line backlit LCD (white)
KX-DT343 24 key, 3 line backlit LCD (black)
KX-DT346 6 line backlit LCD (white)
KX-DT346 6 line backlit LCD (black)
KX-DT301 USB module (white)
KX-DT301 USB module (black)
KX-DT390 60 button DSS (white)
KX-DT390 60 button DSS (black)
DECT
KX-TCA175 DECT handset & charger
KX-TCA275E DECT handset & charger
KX-A272 2 channel DECT repeater
KX-TDA0141 2 channel DECT cell station
KX-TCA355 DECT handset and charger
KX-TDA0158 8 channel cell station
Cables
Linecord for voicemail
Linecord for digital handsets
Linecord SLT handsets and DXDP handsets

*Network limitations apply

KX-TDA30



UP TO
52 users

Suitable for > Analogue, ISDN2, IP extensions,
SIP, IP networking

The Panasonic KX-TDA30 is the perfect telephone system for small to medium sized businesses.

It offers a maximum of 12 trunks plus 4 IP channels and up to 52 extensions, and can be easily expanded to suit growing communication needs.

Initial Configuration

0 lines
12 extensions
(4 digital + 4DXDP + 4 SLT)

Maximum Configurations

12 lines + 4 IP trunks
52 extensions* (require MEX + PSU)

Extensions

Extension total (require MEX + PSU)	52*
Single line telephone	24
Proprietary telephone (require MEX + PSU)	48

Trunks

Trunk port	12ch
Analogue lines	12
BRI (ISDN2)	6 (12ch)
IP-GW card/ch	1 (4ch)

DECT

Cell stations	8
DECT handsets	28

Other

PC Phone	
PC Console	2

Configuration Guidelines

Second power supply may be required

Power requirements

System comes with PSU for up to 24 units.
If more than 24 units are required a second PSU needs to be included. Each extension type has a power consumption as follows:

SLT – 1 PU (Power Unit)
KX-T 76 series handset – 1PU
S-bus Extension – 2PU
DECT cell station – 2PU
Old KX-TD handsets – 4PU



Configuration with MEC

Add KXTDA3105X MEC
Add PSU KXT/DA236
= 52* extensions (using DXDP)
8 lines
or
= 44 extensions (using DXDP)
12 lines

Now
supports
centralised
voicemail & GSM
integration

IP options

- VoIP networking
- VoIP extensions
- SIP

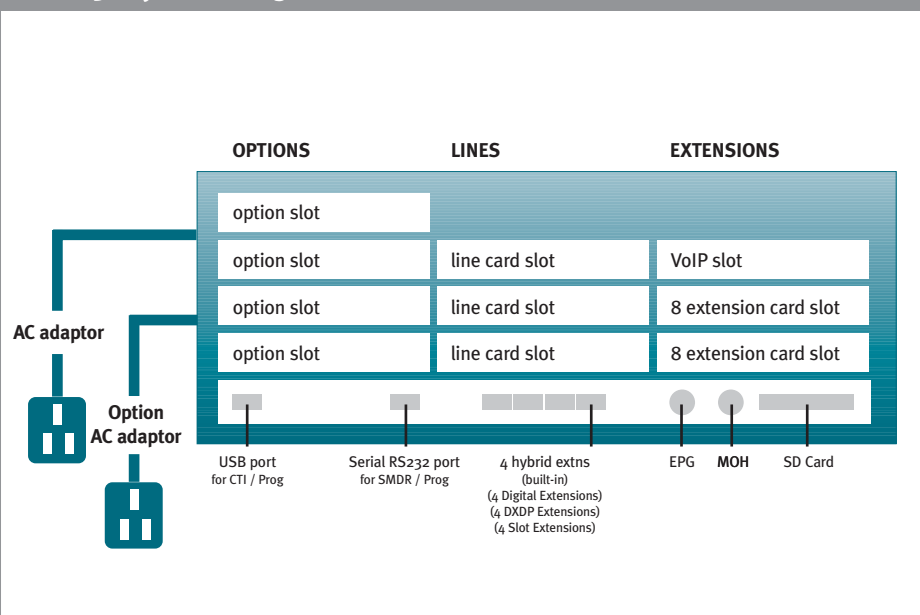
Built in features

- USB PC programming
- RS232 – call logging
- MOH socket
- External paging socket
- SD card

Voicemail options

- KX-TDA 3194 – internal voicemail card
2 port voicemail only – 60 minutes recording
- KX-TVM50 – external voicemail unit.
2 port voicemail and Auto Attendant.
Can be expanded 6 ports (see pg 24).

KX-TDA30 System Configuration



Description
Central Control Unit
KX-TDA30 CCU (0 lines & 4 digital + 4 D-XDP + 4 SLT) with caller ID*
Line Units
KX-TDA3283 2 channel ISDN2 card (v2.0 only)
KX-TDA3280 4 channel ISDN2 card
KX-TDA3183 2 port analogue line card
KX-TDA3180 4 port analogue line card
KX-TDA3480 4 channel VoIP trunk card
KX-TDA3450 x 4 channel SIP trunk card
4 Channel SIP trunk card
Extension Cards
KX-TDA3470 x 4 channel IP extension card
KX-TDA3171 4 port digital extension card
KX-TDA3173 4 port SLT extension card
KX-TDA3172 8 port digital extension card
KX-TDA3174 8 port SLT extension card
Option Cards
Caller ID* to SLT extns
KX-TDA3193 4 port CLI card (CLI on analogue lines)
KX-TDA3196 remote access card
KX-TDA3161 4 port door phone card
KX-TDA3166 8 channel echo cancel card
KX-TDA3105 memory expansion module
KX-TDA3194 2 channel enhanced message card
KX-A236X additional power supply unit (PSU)
KX-A244X KX-TDA 19" rack kit
KX-A228 M-Type battery cable
KX-TDA3920 SD card v3 enhanced

Description
Keyphones
KX-DT321 8 key, 1 line LCD speakerphone (white)
KX-DT321 8 key, 1 line LCD speakerphone (black)
KX-DT333 24 key, 3 line LCD speakerphone (white)
KX-DT333 24 key, 3 line LCD speakerphone (black)
KX-DT343 24 key, 3 line backlit LCD (white)
KX-DT343 24 key, 3 line backlit LCD (black)
KX-DT346 6 line backlit LCD (white)
KX-DT346 6 line backlit LCD (black)
KX-DT301 USB module (white)
KX-DT301 USB module (black)
KX-DT390 60 button DSS (white)
KX-DT390 60 button DSS (black)
DECT
KX-TCA175 DECT handset & charger
KX-TCA275E DECT handset & charger
KX-A272 2 channel DECT repeater
KX-TDA0141 2 channel DECT cell station
KX-TCA355 DECT handset and charger
KX-TDA0158 8 channel cell station
Cables
Linecord for voicemail
Linecord for digital handsets
Linecord SLT handsets and DXDP handsets

*Network limitations apply

Digital Handsets

Suitable for > KT-TDA / KX-TDE / KX-NCP

Panasonic IP and Digital handsets provide the ultimate in telecommunications with expandable capabilities to grow a business. Coupled

with outstanding time-saving features that are easy to use, these phones are both versatile and 'future ready'.

All
IP and digital
handsets are also
available
in white



KX-DT343 Digital Handset

- 3 line back-lit display
- 24 programmable keys
- Full duplex speakerphone
- 2 ethernet ports (100Base-T)
- Power over Ethernet (PoE)
- Compatibility – KX-DT301, KX-DT303, KX-DT390, KX-DT307

KXT/DT343UK
KX-DT343 Handset (white)

KXT/DT343UK/BK
KX-DT343 Handset (black)



KX-DT346 Digital Handset

- 6 line back-lit display
- 24 programmable keys
- Full duplex speakerphone
- Compatibility – KX-DT301, KX-DT303, KX-DT390, KX-DT307

KXT/DT346UK
KX-DT346 Handset (white)

KXT/DT346UK/BK
KX-DT346 Handset (black)



KX-DT333 Digital Handset

- 3 line back-lit display
- 24 programmable keys
- Full duplex speakerphone

KXT/DT333UK
KX-DT333 Handset (white)

KXT/DT333UK/BK
KX-DT333 Handset (black)



KX-DT321 Digital Handset

- 1 line back-lit display
- 8 programmable keys
- Full duplex speakerphone

KXT/DT321UK
KX-DT321 Handset (white)

KXT/DT321UK/BK
KX-DT321 Handset (black)



KX-DT390 Optional Module

- 60 additional programmable key module
- KX-DT346 and KX-DT343 only

KXT/DT390UK
KX-DT390 60 Button DSS (white)

KXT/DT390UK/BK
KX-DT390 60 Button DSS (black)



KX-DT301 Optional USB Module

- USB Module
- KX-DT346 and KX-DT343 only

KXT/DT301UK
KX-DT301 USB Module (white)

KXT/DT301UK/BK
KX-DT301 USB Module (black)

Digital Handset Specification

Specifications		KX-DT346	KX-DT343	KX-DT333	KX-DT321
LCD		24digits x 6 lines Full dot Graphic useable	24digits x 3 lines Character	24digits x 3 lines Character	16digits x 1 lines Character
LCD Backlight		Yes	Yes	-	-
LCD Contrast Control		4 levels	4 levels	4 levels	3 levels
Handset/SP – Volume Control		H/S: 4, SP: 12	H/S: 4, SP: 12	H/S: 4, SP: 12	H/S: 4, SP: 12
Ring Volume Control		Electrical Vol. ^{*3} (H-M-L-UL-OFF)	Electrical Vol. ^{*3} (H-M-L-UL-OFF)	Electrical Vol. ^{*3} (H-M-L-UL-OFF)	Electrical Vol. (H-M-L-UL-OFF)
Message/Ringer Lamp		Yes ^{*2}	Yes ^{*2}	Yes ^{*2}	Yes ^{*1}
OHCA		Yes	Yes	Yes	-
Whisper OHCA		Yes	Yes	Yes	Yes
XDP		Yes	Yes	Yes	-
D-XDP		Yes ^{*4}	Yes ^{*4}	Yes	Yes
Headset Jack (ø2.5mm)		Yes	Yes	Yes	Yes
BT Headset adapt		Yes	Yes	-	-
Auto Redial		Yes	Yes	Yes	Yes
Off-Hook Monitor		Yes	Yes	Yes	Yes
Handset/Headset Mic Mute		Yes	Yes	Yes	Yes
Speaker Phone Mic Mute		Yes	Yes	Yes	Yes
Phone Directory		Yes	Yes	Yes	Yes
Feature Access		Yes	Yes	Yes	Yes
(Out-going) Call log		Yes	Yes	Yes	Yes
(In-coming) Call log		Yes	Yes	Yes	Yes
Melody Ringer		10 titles	10 titles	10 titles	10 titles
I/F	USB Module I/F	Yes	Yes	-	-
I/F	USB Module I/F	Yes	Yes	-	-

*1 Single coloured LED (Green is INTERCOM, Red is others.)

*2 Dual coloured LED (Green & Red.)

*3 20 ring types and 10 melodies are available.

*4 When connected KX-NT307, DT301, D-XDP can not be used.

Options

KX-NT303: Add-on 12-Key Module
KX-DT390: 60 DSS Console

KX-DT301: USB Module
KX-NT307: Bluetooth Module

KX-TDE100



UP TO
128 users

Suitable for > Pure IP system, Analogue, ISDN2, ISDN30,
IP extensions, SIP, IP networking

The KX-TDE100 IP PBX advanced communications platform merges PBX features and functions with reliable IP networking technology.

The system supports a range of IP handsets as well as standard digital and analogue extensions. This flexibility is coupled with an advanced business application environment providing a communication system ready for the needs of the 21st Century.

IP Capability

IP Proprietary Telephone (IP-PT)	128
SIP (RFC 3261) IP Telephone (Basic)	128

System Capacity

64 lines
256 extensions (using DXDP) + IP capability

Extensions

Extension total (DXDP)	128*
Single line telephone	96
Proprietary telephone	128*
IP handsets	64

Trunks

Trunk port	128
Analogue lines	96
BRI (ISDN2)	96
PRI (ISDN30)	120
IP Trunk	128

DECT

Portable Station (PS)	128
Cell Stations (Basic)	32

Other

PC Phone	unlimited
PC Console	10



New
KX-DT300
handsets
available

Additional options available

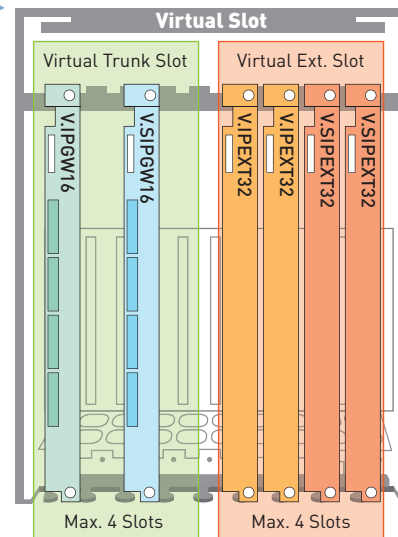
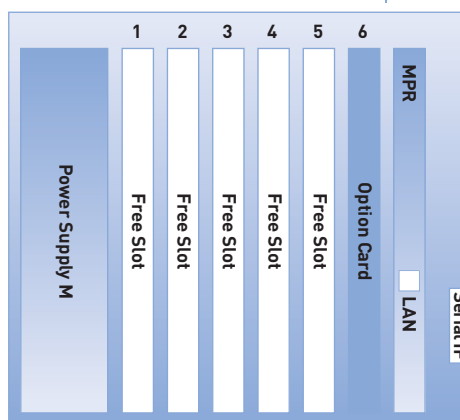
- Voicemail / auto attendant (see pg 24)
- Call management software (see pg 25)
- Cordless telephony (DECT) (see pg 23)
- Integrated headsets
- Email integration
- Voice Recording (see pg 25)

Key Features and Benefits:

- SIP telephony supporting both trunks and IP extensions
- Leveraging open standard communications
- Desktop, network and application integration
- Business productivity with mobility solutions
- Easy migration from digital systems
- Reduced total cost of ownership (installation and network call costs reduced)
- Centralised management & upgrades

KX-TDE100 System Configuration

TDE100 IP and CTI Configuration



Description
Central Control Unit
KX-TDE100 CCU
KX-TDE0104X (M type) Power Supply Unit (PSU)
Line Units
KX-TDA0484 4 channel VoIP trunk card
KX-TDA0490 16 channel VoIP trunk card
KX-TDA0290C ISDN30 card
KX-TDA0284C 8 channel ISDN2 card
KX-TDA0288C 16 channel ISDN2 card
KX-TDA0180X 8 port analogue line card
KX-TDA0181X 16 port analogue line card
Activation Keys & Extension cards
8 IP softphone/PT license
8 IP-PT extension license
16 SIP IP extension license
4 IP trunk licence
Enhance software activation key
8 digital hybrid extension card (8 digital & 8 analogue)
8 digital extension card
16 digital extension card
8 SLT extension card
16 SLT extension card with message waiting
Encryption
16 Channel digital signal processor (in 8 IP Ext & 4 IP Trunk Activation Keys)
64 Channel digital signal processor (in 32 IP Ext & 16 IP Trunk Activation Keys)
IP convergence card (use to upgrade TDA100 or TDA200 to TDE)
Option cards, PSUs and Cables
KX-TDA0168 8 extension caller ID to SLT (fits to KX-TDA0173)
KX-TDA0193X caller ID card for 8 analogue lines
KX-TDA0190X option card
KX-TDA0191X 4 channel message card (fits 0190 card)
KX-TDA0161X 4 doorphone / door opener card
KX-T30865E doorphone (plastic)
KX-TDA0196X remote maintenance card
KX-TDA0410X CTI link card / LAN card
KX-TDA0192 2 channel enhanced message card
KX-TDA0194 4 channel enhanced message card

Description
KX-TDA0164 4 port input / output card
KX-TDA 0166X 16 circuit echo canceller card
MDF box (pre-wired for 1308 installs)
MDF cable – plug to open (CAT 5)
MDF cable – male to female
KX-A243 KX-TDA 19" rack mounting kit
Keyphones
KX-DT321 8 key, 1 line LCD speakerphone (white)
KX-DT321 8 key, 1 line LCD speakerphone (black)
KX-DT333 24 key, 3 line LCD speakerphone (white)
KX-DT333 24 key, 3 line LCD speakerphone (black)
KX-DT343 24 key, 3 line backlit LCD (white)
KX-DT343 24 key, 3 line backlit LCD (black)
KX-DT346 6 line backlit LCD (white)
KX-DT346 6 line backlit LCD (black)
KX-DT301 USB module (white)
KX-DT301 USB module (black)
KX-DT390 60 button DSS (white)
KX-DT390 60 button DSS (black)
NCS-8100 IP softphone (6 pack)
NCS-8101 IP softphone (1 pack)
DECT
KX-TCA175 DECT handset & charger
KX-TCA275E DECT handset & charger
KX-TCA355 DECT handset and charger
KX-A272 2 channel DECT repeater
KX-TDA0141 2 channel DECT cell station
KX-TDA0142 4 channel DECT cell station
KX-TDA0143 4 channel cell station interface card
KX-TDA0144 8 channel cell station interface card
KX-TDA0158 8 channel cell station
Cables
Linecord for voicemail
Linecord for digital handsets
Linecord SLT handsets and DXDP handsets

KX-TDE200



UP TO
256 users

Suitable for > Pure IP system, Analogue, ISDN2, ISDN30,
IP extensions, SIP, IP networking

The KX-TDE200 PBX hybrid IP system supports up to 128 lines and 256 extensions, making it big enough to grow with a small company.

The system provides advanced telephone messaging solutions, efficient and flexible communications, Wireless Mobility, IP Networking capability, Voice over IP (VoIP) and seamless integration with your PC – making it an ideal multi-function communications solution.

IP Capability	
IP Proprietary Telephone (IP-PT)	128
SIP (RFC 3261) IP Telephone (Basic)	128
System Capacity	
128 lines	
256 extensions (using DXDP) + IP capability	
Extensions	
Extension total (DXDP)	256
Single line telephone	64
Proprietary telephone	256
IP handsets	128
Trunks	
Trunk port	128
Analogue lines	128
BRI (ISDN2)	64
PRI (ISDN30)	120CH
IP Trunk	128
DECT	
Portable Station (PS)	128
Cell Stations (2ch)	32
Other	
PC Phone	unlimited
PC Console	10



New
SIP phone
KX-HGT100CEB
available

Additional options available

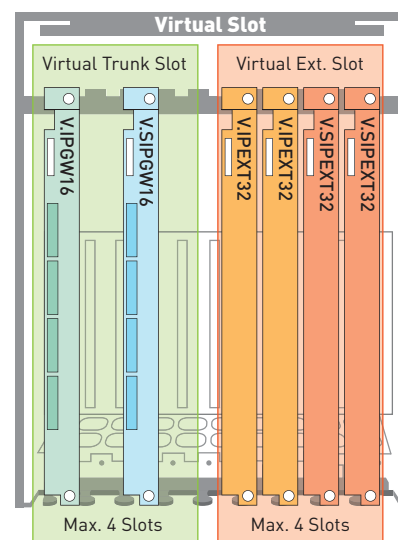
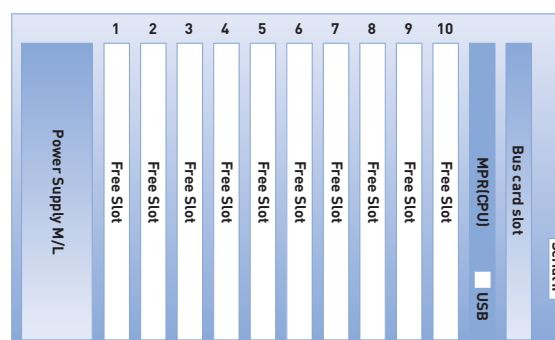
- Voicemail / auto attendant (see pg 24)
- Call management software (see pg 25)
- Cordless telephony (DECT) (see pg 23)
- Integrated headsets
- Email integration
- Voice Recording (see pg 25)

Key Features and Benefits:

- SIP telephony supporting both trunks and IP extensions
- Leveraging open standard communications
- Desktop, network and application integration
- Business productivity with mobility solutions
- Easy migration from digital systems
- Reduced total cost of ownership (installation and network call costs reduced)
- Centralised management & upgrades
- Integral voicemail

KX-TDE200 System Configuration

TDE200



Description
Central Control Unit
KX-TDE200 CCU (no PSU)
KX-TDE0103L Power Supply Unit (PSU)
Line Units
KX-TDA0484 4 channel VoIP trunk card
KX-TDA0490 16 channel VoIP trunk card
KX-TDA0290C ISDN30 card
KX-TDA0284C 8 channel ISDN2 card
KX-TDA0288C 16 channel ISDN2 card
KX-TDA0180X 8 port analogue line card
KX-TDA0181X 16 port analogue line card
Activation Keys & Extension cards
8 IP softphone/PT license
8 IP-PT extension license
16 SIP IP extension license
4 IP trunk licence
Enhance software activation key
8 digital hybrid extension card (8 digital & 8 analogue)
8 digital extension card
16 digital extension card
8 SLT extension card
16 SLT extension card with message waiting
Encryption
16 Channel digital signal processor (in 8 IP Ext & 4 IP Trunk Activation Keys)
64 Channel digital signal processor (in 32 IP Ext & 16 IP Trunk Activation Keys)
IP convergence card (use to upgrade TDA100 or TDA200 to TDE)
Option cards, PSUs and Cables
KX-TDA0168 8 extension caller ID to SLT (fits to KX-TDA0173)
KX-TDA0193X caller ID card for 8 analogue lines
KX-TDA0190X option card
KX-TDA0191X 4 channel message card (fits 0190 card)
KX-TDA0161X 4 doorphone / door opener card
KX-T30865E doorphone (plastic)
KX-TDA0196X remote maintenance card
KX-TDA0410X CTI link card / LAN card
KX-TDA0192 2 channel enhanced message card
KX-TDA0194 4 channel enhanced message card

Description
Keyphones
KX-DT321 8 key, 1 line LCD speakerphone (white)
KX-DT321 8 key, 1 line LCD speakerphone (black)
KX-DT333 24 key, 3 line LCD speakerphone (white)
KX-DT333 24 key, 3 line LCD speakerphone (black)
KX-DT343 24 key, 3 line backlit LCD (white)
KX-DT343 24 key, 3 line backlit LCD (black)
KX-DT346 6 line backlit LCD (white)
KX-DT346 6 line backlit LCD (black)
KX-DT301 USB module (white)
KX-DT301 USB module (black)
KX-DT390 60 button DSS (white)
KX-DT390 60 button DSS (black)
NCS-8100 IP softphone (6 pack)
NCS-8101 IP softphone (1 pack)
DECT
KX-TCA175 DECT handset & charger
KX-TCA275E DECT handset & charger
KX-TCA355 DECT handset and charger
KX-A272 2 channel DECT repeater
KX-TDA0141 2 channel DECT cell station
KX-TDA0142 4 channel DECT cell station
KX-TDA0143 4 channel cell station interface card
KX-TDA0144 8 channel cell station interface card
KX-TDA0158 8 channel cell station
Cables
Linecord for voicemail
Linecord for digital handsets
Linecord SLT handsets and DXDP handsets

*Network limitations apply

KX-TDE600



UP TO
1152 users

Suitable for > Analogue, ISDN2, ISDN30, IP extensions,
IP trunks, SIP

The KX-TDE600 system builds on the "Pure IP PBX" converged model of the KX-TDE 100 and 200 with a capacity of up to 1152 extensions – meeting communication needs for medium and large businesses over both single and multiple sites.

IP Capability

IP Proprietary Telephone (IP-PT)	640+64
SIP (RFC 3261) IP Telephone (Basic)	128

Additional Options

64 lines
28 extensions

Extensions

Extension total	128
Single line telephone	960
Proprietary telephone (W/DXDP)	640
IP handsets	640

Trunks

Trunk port	640
Analogue lines	640
BRI (ISDN2)	320(640ch)
PRI (ISDN30)	600ch
IP-GW card /ch	2(8ch/16ch)64

DECT

Portable Station (PS)	128
Cell Stations	32
DECT handsets	28

Other

PC Phone	unlimited
PC Console	10

*Based on max config. 4 shelves



Additional options available

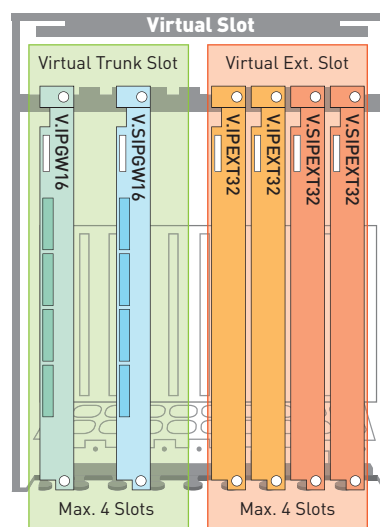
- Voicemail / auto attendant (see pg 24)
- Call management software (see pg 25)
- Cordless telephony (DECT) (see pg 23)
- Integrated headsets
- Email integration
- Voice Recording (see pg 25)

New
SIP phone
KX-HGT100CEB
available

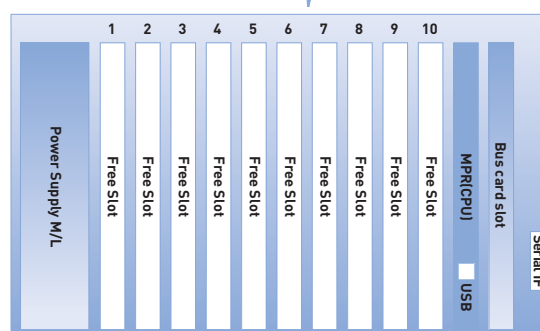
Key Features and Benefits:

- Supports up to 1152 extensions
- Free slots support any type of card (no MPR card needed)
- Connect to 3 shelves with TDE620 cabinet
- SIP telephony supporting both trunks and IP extensions
- Leveraging open standard communications
- Desktop, network and application integration
- Business productivity with mobility solutions
- Easy migration from digital systems
- Reduced total cost of ownership (installation and network call costs reduced)
- Centralised management & upgrades
- Integral voicemail

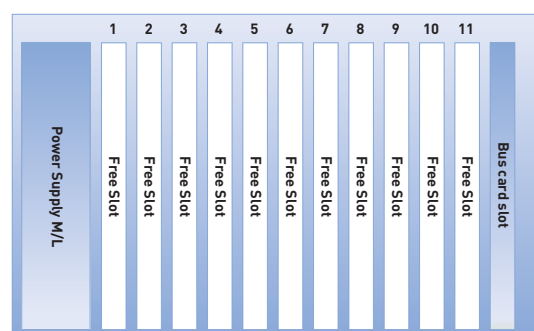
KX-TDE600 System Configuration



TDE600



TDE620



*Network limitations apply

Description
Central Control Unit
KX-TDE 600 cabinet W/PSU
Line Units
KX-TDA0484 4 channel VoIP trunk card
KX-TDA0490 16 channel VoIP trunk card
KX-TDA0290C ISDN30 card
KX-TDA0188C E1 card
KX-TDA0284C 8 channel ISDN2 card
KX-TDA0288C 16 channel ISDN2 card
KX-TDA0180X 8 port analogue line card
KX-TDA0181X 16 port analogue line card
KX-TDA0184X 8 circuit E&M card
Activation Keys and Extension Cards
8 IP-Softphone / PT License
8 IP-PT Ext License
4 IP Trunk License
16 SIP IP Ext License
Encryption
Enhanced Software
KX-TDA0470 16 channel VoIP extn. card (v2.0 only) or above
KX-TDA0170X 8 digital hybrid extn. card (8 digital & 8 analogue extensions)
KX-TDA0171X 8 digital extension card
KX-TDA0172X 16 digital extension card
KX-TDA0173X 8 SLT extension card
KX-TDA0175X 16 SLT extension card with message waiting
Expansion shelf only (exc PSU)
Bus Master card for TDA620 Connection TDA600/620
Bus Master card for second TDA620 connection TDA600/620
Option Cards
KX-TDA0168 8 extension caller ID to SLT (fits to KX-TDA0173)
KX-TDA0193X caller ID card for 8 analogue lines
KX-TDA0190X option card
KX-TDA0191X 4 channel message card (fits 0190 card)
KX-TDA0161X 4 doorphone / door opener card (fits 0190 card)
KX-T30865E doorphone (plastic)
KX-TDA0196X remote maintenance card Fits MPR card
KX-TDA0410X CTI link card / LAN card
KX-TDA0164 4 port input / output card
KX-TDA 0166X 16 circuit echo canceller card
MDF box (pre-wired for 1308 installs)
KX-TDA0192 2 channel enhanced message card
KX-TDA0194 4 channel enhanced message card

Description
MDF cable – plug to open (cat 5)
MDF cable – male to female
KX-A243 KX-TDA 19" rack mounting kit
KX-TDA6105 memory expansion card
KX-TDA0920 enhanced SD card for GSM integration / centralised voicemail
16 Channel DSP Card
64 Channel DSP Card
Keyphones
KX-DT321 8 key, 1 line LCD speakerphone (white)
KX-DT321 8 key, 1 line LCD speakerphone (black)
KX-DT333 24 key, 3 line LCD speakerphone (white)
KX-DT333 24 key, 3 line LCD speakerphone (black)
KX-DT343 24 key, 3 line backlit LCD (white)
KX-DT343 24 key, 3 line backlit LCD (black)
KX-DT346 6 line backlit LCD (white)
KX-DT346 6 line backlit LCD (black)
KX-DT301 USB module (white)
KX-DT301 USB module (black)
KX-DT390 60 button DSS (white)
KX-DT390 60 button DSS (black)
NCS-8100 IP softphone (6 pack)
NCS-8101 IP softphone (1 pack)
DECT
KX-TCA175 DECT handset & charger
KX-TCA275E DECT handset & charger
KX-TCA355 DECT handset and charger
KX-A272 2 channel DECT repeater
KX-TDA0141 2 channel DECT cell station
KX-TDA0142 4 channel DECT cell station
KX-TDA0143 4 channel cell station interface card
KX-TDA0144 8 channel cell station interface card
KX-TDA0158 8 channel cell station
Cables
Linecord for voicemail
Linecord for digital handsets
Linecord SLT handsets and DXDP handsets

*Network limitations apply

KX-NCP500 / 1000



UP TO
108 users

Suitable for > Analogue, ISDN2, ISDN30, IP extension,
IP trunks, SIP, IP networking

Network Communication Platforms (NCP) are advanced communication solutions designed to enhance and streamline office communications with presence-enriched productivity applications.

Facilitating more effective ways of communicating with both your employees and customers – the NCP platforms allow anytime anywhere access to a whole host of business communication applications via a range of smart and user-friendly wired and wireless devices.

Unified
Communications



Extensions

KX-NCP500 KX-NCP1000

Total Number of Extensions (DXDP)	64 (68)	104 (108)
IP-Proprietary Telephone (IP-PT) – MPR	40	64
SIP Telephone – MPR	32	64
Single Line Telephone (SLT)	20	36
Digital Proprietary Telephone (DPT) with DXDP	20 (24)	36 (40)
DPT and SLT with DXDP	24 (28)	40 (44)

Trunks

Total Number of Trunks	72	96
SIP Trunks – MPR	8	32
H.323 – MPR	8	32
PSTN Analogue Trunks	12	16
ISDN – BRI	12 (6BRI)	16 (8BRI)
ISDN – PRI30	60 (2PRI)	60 (2PRI)
PSTN and ISDN	64	64

DECT

DECT Wireless Handsets	64	64
DECT Cell Stations (DPT I/F)	4	8
High Density DECT Cell Station	2	4

Additional options available

- Voicemail / auto attendant (see pg 24)
- Call management software (see pg 25)
- Cordless telephony (DECT) (see pg 23)
- Integrated headsets
- Email integration
- Voice Recording (see pg 25)

Key Features and Benefits:

- Unified Communications platform
- SIP telephony supporting both trunks and IP extensions
- Leveraging open standard communications
- Desktop, network and application integration
- Business productivity with mobility solutions
- Easy migration from digital systems
- Reduced total cost of ownership (installation and network call costs reduced)
- Centralised management & upgrades
- Integral voicemail

KX-NCP500X/V

The new NCP500 Express Business Editions are an ideal starting point for businesses who wish to take advantage of the latest communication technology, including integral voicemail, wired and wireless handsets compatibility and PC application.



NCP500X

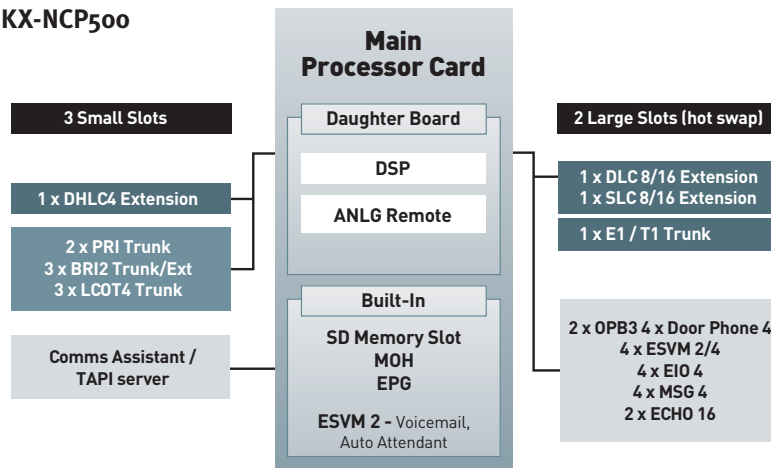
- Digital solution designed for 4-12 users
- Equipped with 2 ports Basic Rate Card
- Communication Assistant Basic Express as standard for all users



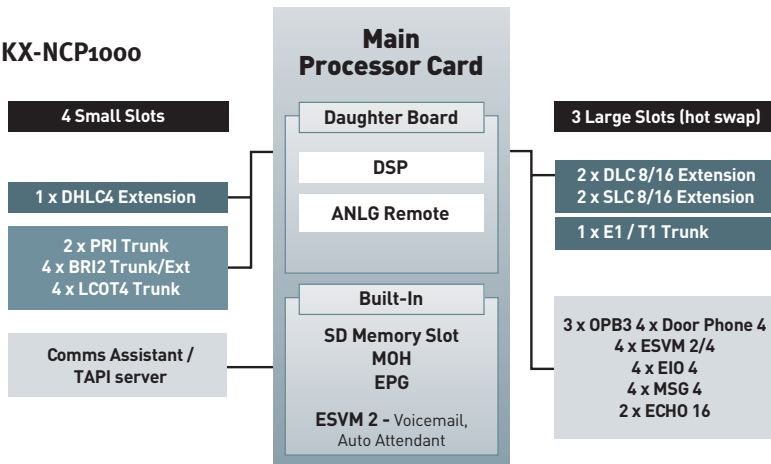
KX-NCP500V

- VoIP solution equipped for 8 IP users
- Equipped with 4 port compression card (DSP4)
- Equipped with 4 SIP Trunk ports
- Communication Assistant Basic Express as standard for all users

KX-NCP500



KX-NCP1000



Description
Central Control Unit
KX-NCP500X (BRI12, DHLC4 included)
KX-NCP500V (DSP4, DHLC4 included)
KX-NCP500 Pure IP-PBX (3U, Free Slot (4 small, 3 regular), No DSP)
KX-NCP1000 Pure IP-PBX (2U, Free Slot (3 small, 2 regular), No DSP)
Line Units
KX-NCP1280 2-BRI Card
KX-NCP1290 PRI Card
KX-NCP1180 4-Analogue Trunk w/Caller ID Card
Extension Cards
KX-NCP1170 4-digital Hybrid Extension Card
KX-NCP1171 8-DPT Extension Card
KX-NCP1172 16-DPT Extension Card
KX-NCP1173 8-SLT Extension with Caller ID Card
KX-NCP1174 16-SLT Extension with Caller ID Card
Activation keys
4ch H.323/SIP GW Activation Key
1ch IP-PT Activation Key
8ch IP-PT Activation Key

Description
Activation Keys (cont.)
1ch SIP-Phone Activation Key
16ch SIP-Phone Activation Key
Option Cards
OPB3 Card
Enhanced Activation License
NCP Communications Assistant Series
Communication Assistant Basic 1 – license
Communication Assistant Basic 5 – license
Communication Assistant Basic 10 – license
Communication Assistant Basic 20 – license
Communication Assistant Basic 128 – license
Communication Assistant Pro 1 – license
Communication Assistant Pro 5 – license
Communication Assistant Pro 10 – license
Communication Assistant Pro 20 – license
Communication Assistant Pro 128 – license
Communication Assistant Supervisor

*Network limitations apply

IP Handsets

Suitable for > KX-TDA (with IP card), KX-TDE (Virtual Slots only)
KX-NCP (Virtual Slots only)

Panasonic IP handsets are stylish, intuitive and user-friendly, integrating with the KX-TDA / KX-TDE / KX-NCP / IP PBX to provide a host of advanced

features. The handsets offer high voice quality with acoustic echo cancellation and are easily upgradeable and versatile.

Most IP handsets are also available in white



KX-NT321 IP Handset

- 1-line display
- 8 programmable keys
- Full duplex speakerphone
- Power over Ethernet

KXT/NT321UK
KX-NT321 IP Handset (white)
KXT/NT321UK/BK
KX-NT321 IP Handset (black)



KX-NT343 IP Handset

- 3-line back-lit display
- 24 programmable keys
- Full duplex speakerphone
- Power over Ethernet

KXT/NT343UK
KX-NT343 IP Handset (white)
KXT/NT343UK/BK
KX-NT343 IP Handset (black)



KX-NT346 IP Handset

- 6-line back-lit display
- 24 programmable keys
- Full duplex speakerphone
- Power over Ethernet

KXT/NT346UK
KX-NT346 IP Handset (white)
KXT/NT346UK/BK
KX-NT346 IP Handset (black)



KX-NT366 IP Handset

- 6-line back-lit display
- 4 x 12 self labelling, programmable keys
- Full duplex speakerphone
- Power over Ethernet

KXT/NT366UK
KX-NT366 IP Handset (white)
KXT/NT366UK/BK
KX-NT366 IP Handset (black)



KX-HGT100CEB SIP Handset

- Alphanumeric display
- Full duplex speakerphone
- Power over Ethernet

KXT/HGT100
KX-HGT100CEB SIP Handset (black)

Description
IP Handsets
KXT/A239 Power Adapter for NT300 series
60 Button DSS Console (black)
60 Button DSS Console (white)
12 key add on module (black)
12 key add on module (white)
Bluetooth Module
Standard linecord – RJ11 – BT
KXT-HGT100CEB SIP Handset (black)
Softphone
IP Softphone (1PK)

Business DECTs

Suitable for > KT-TDA Systems, KT-TDE Systems,
NCP Systems – see page 4

These cordless telephones can be integrated into a system allowing users all the benefits of conventional telephones as they move around the premises, inside or outside.

**8 CH DECT
cell station
available
KXT/DA0158**
(KX-TDE + NCP only)

KX-TDA15 & 30 systems

For these systems there's no extra costly DECT interface to install – simply plug a KX-TDA0141CE base station (cell station) directly into a digital extension port. Roaming distances can be increased easily with self-registering KX-A272E repeaters, to give:

- KX-TDA15 – max 2 cell stations (providing 4ch), max 28 DECT handsets
- KX-TDA30 – max 8 cell stations (providing 16ch), max 28 DECT handsets



KX-TCA175

- Fully integrated with enterprise telephony features
- Talk time – 15 hours / standby – 200 hours
- Store up to 200 names and numbers
- Hands free speakerphone
- Illuminated keypad and colour LCD screen
- Headset compatible

KXT/CA175
KX-TCA175 DECT Handset and Charger

KX-TDA100 & 200 systems

- DECT can be connected directly into a digital extension port to give:
- KX-TDA100 – max 16 cell stations, max 128 DECT handsets
- KX-TDA200 – max 32 cell stations, max 128 DECT handsets

Alternatively, install a dedicated DECT card:

- KX-TDA0142CE card – 4ch DECT cell station



KX-TCA275

- Fully integrated with enterprise telephony features
- Talk time – 15 hours / standby – 200 hours
- Store up to 200 names and numbers
- Hands free speakerphone
- Illuminated keypad and colour LCD screen
- Headset compatible

KXT/CA275
KX-TCA275 DECT Handset and Charger

- KX-TDA0143CE card – enables users to add up to 4x KX-TDA0142CE with up to 64 DECT handsets
- KX-TDA0144CE card – enables users to add up to 8x KX-TDA0142CE with up to 64 DECT handsets

Up to a maximum of 2 interface cards can be installed in a KX-TDA100 and 4 in a KX-TDA200

- KX-TDA0158CE card – 8ch DECT cell station –TDE100/200 only



KX-TCA355E

- Range – 50m indoor, 200m outdoors
- Talk time – 10 hours / standby – 120 hours
- Access up to 1000 system speed dial numbers
- Hands free speakerphone
- Caller ID*
- Message waiting indicator
- Headset compatible/support
- Large backlit blue LCD
- Extended signal range
- Vibration alert
- Dust and splash resistant
- Ruggedized casing (IP54 compliant) support

KXT/CA355
KX-TCA355 Rugged DECT Handset and Charger

KX-TVM50 & KX-TVM200 Voice Messaging Systems



Compatible with > KX-TA624, KX-TES824, KX-TDA, KX-TDE & KX-NCP

Panasonic voicemail systems provide efficient tools for handling telephone traffic and internal communication needs. Users can record, send and retrieve messages 24 hours a day, 7 days a week from anywhere in the world.

Voice messages recorded via the phone system are notified and can be retrieved via the phone or in an email. Date and time stamped, they can also be deleted, or stored and forwarded (as a .WAV file). This allows users to manage both their voicemail and email from a desktop PC. With the KX-TVM 200, customers benefit from over 1000 user mailboxes and increased call recording capacity.

Customisable

Individual extensions can be set up with the custom menu options giving greater flexibility. Both are programmable to handle a range of calls (auto attendant or voicemail) to supply suitable hel to callers during off peak and holiday periods.

Additional activity reporting features:

- Call handling, message status, subscriber set-up, security info, hourly statistics and email log
- Both systems are compatible with KX-TES 824, KX-TD and KX-TDA, KX-TDE and KX-NCP 500/1000

Description
KX-TVM50 (2 port, 4 hour recording)
KX-TVM200 (requires TVM204 to work, code 27267)
4 port DTP interface TVM204
Remote modem for 50 & 200 TVM296
2 port DPT/APT/SLF interface TVW502
4 hour extra record time for KX-TVM50
LAN interface TVM



CommsOffice Call Management

Compatible with > KX-TDA / KX-TDE / KX-NCP

CommsOffice allows your customers to monitor the performance of their telephone system & data network to analyse trends, call costs, staffing levels, manage a contact centre or simply monitor staff productivity levels.

CommsOffice

Entry-level SMDR call management package with a full range of reports and a “Today” screen containing a summary of call stats.

CommsOffice Pro

Professional call management software displaying live call statistics and containing individual agent and wallboard features.

An innovative suite of communications provides management information at-a glance including a ‘Today’ screen which shows telephony & data activity in an organisation. Comprehensive reports provide further detail and these can be saved, e-mailed or converted into PDF format for presentations or scheduled to run at specific times, such as end of month.



Typical “Today” screen in CommsOffice

CommsOffice Enterprise

All of the features of CommsOffice Pro plus full billing platform, custom report builder & data/network traffic reporting.



Wallboard view showing agent activity from CommsOffice Pro

CommsOffice Voice Recorder

Compatible with > All Panasonic systems – see page 4

The CommsOffice Voice Recorder application allows you to record sound both at the source (on the extension) and at the mainframe of the phone system (the trunk) – meaning it is impossible to completely disconnect. In addition, a tamper proof feature protects your recordings from being altered and a visual / audio alarm notifies you for system maintenance.

- Real-time monitoring and playback as standard (up to 256 channels)
- Compress and convert files to .wav format for easy playback

- System comes complete with CommsOffice reporting call management software, allowing you to collate comprehensive reports on call usage
- Archive call recordings securely and effectively on external media
- Record from a full range of input types
- Unlimited remote access at no extra charge
- Future-proof – the system is easy to expand in the event of business growth



Playback



Channels – Calls

Please contact your Account Manager for up to date pricing information.

CommsOffice Console

Panasonic

Compatible with > KX-TDA /
KX-TDE/KX-NCP systems

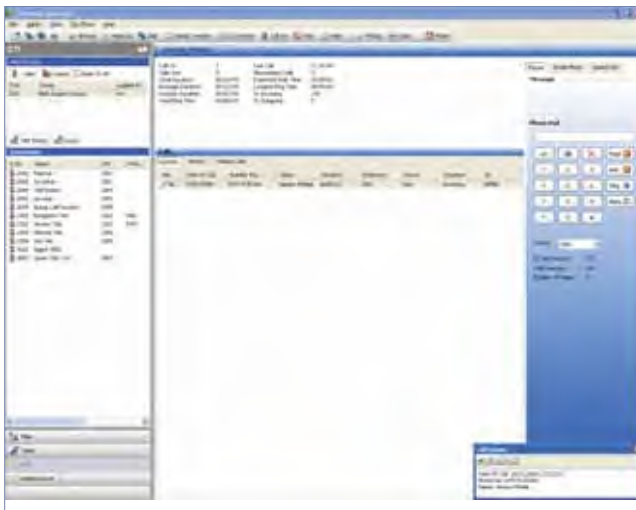
CommsOffice Console systems provide a true software alternative to traditional PBX consoles, with single and multi-site operator call handling being managed from any networked PC.

- Feature-rich display that increases operator productivity, visibility and call-handling capabilities
- Allows operators and users to efficiently manage calls rather than simply answer them
- Operator can see and monitor visual status of extensions including telephone system “Absent Message” status
- Differentiator when competing against other traditional and IP-based PBX platforms



CommsOffice Console

CommsOffice CTI Screen Pop



CommsOffice CTI Screen Pop software

CommsOffice CTI Screen Pop

CommsOffice CTI Screen Pop allows you to “pop” record cards from MS Outlook and seamlessly integrate this information into your phone system. Custom integration into other contact software is also available.

**Please contact your Account Manager
for up to date pricing information.**

Proteus Office

Compatible with > All Panasonic systems – see page 4-5

Proteus Office is a comprehensive tool that allows business managers to effortlessly monitor and manage their telephone system. The information you need, is delivered straight to your desk. With 20 easy to use reporting templates and bespoke report generator, Proteus Office is the fastest way to ensure that telephony activity and expenditure is controlled. Reports can be run at any time, or they can be scheduled to be delivered automatically via email. Business managers can now effortlessly monitor call volumes and cost by company, department, individual teams and employees.



Business benefits

- Measure and monitor employee activity
- Identify missed and unanswered calls
- Guard against fraud and network hacking
- Eliminate telephone abuse
- Validate telephone bills
- Measure customer response and handling times
- Apportion costs across your business

Feature Benefits

- Out of the box functionality
- Quick start reporting with option to tailor
- Standard reporting templates
- Powerful reporting and filtering features
- Schedule regular reports to be delivered by email
- Exports reports to Excel, CSV, PDF, HTML
- Real-time analysis of calls
- Easy to interpret graphical displays
- Sophisticated, active, graphical user interface
- Dashboard to give a 'Wallboard' overview



KX-NT400

Suitable for > KX-TDA (with IP card), KX-TDE (Virtual Slots only)
KX-NCP (Virtual Slots only)

The Panasonic KX-NT400 is an innovative and stylish high-end model of the KX-NT400 series of IP telephones. As an Applications device the KX-NT400 IP telephone is extremely user-friendly to its large, colourful touch screen interface and built-in Communications Assistant software, allowing users quick and easy access to unified communications. The KX-NT400 Graphical User Interface (GUI) consists of multiple screens for accessing a variety of key features:

- [Calls](#)
- [Contacts](#)
- [Camera](#)
- [Portal](#)
- [Main](#)
- [Call log](#)
- [Chat](#)
- [Options](#)

Additional Features

- 48 self labelling programmable soft-keys
- Easy navigation keys
- 2nd Ethernet port
- Built-in headset jack
- Power over Ethernet (POE)





London

6-7 SBBC
Ponton Road
London SW8 5BL
Tel: 020 7501 3333
Fax: 020 7501 3311

Midlands

44 The Business Centre
Edward Street
Redditch B97 6HA
Tel: 0121 348 7700
Fax: 0121 348 7701

Sales: 020 7501 3333
Support Desk: 020 7501 3030
E-mail: sales@spitfire.co.uk
Web: www.spitfiredigitalnetworks.co.uk