

KX-TDE Pure IP PBX



Advanced Business Communications for IP Networks

Investment in a telecommunication system requires business communication foresight. Businesses need to be able to effectively communicate today - yet want to make sure that they are properly equipped to handle the growing demands of their future communication needs. Highly modular and empowered with the latest SIP technology; the new KX-TDE IP PBXs are an ideal communication platform for customers to solve their business telephony needs today as well as in the future with network IP Telephony.

01.01 Lower costs solutions

Benefit from communications over a common infrastructure - including hardware and software - that extends the power of applications to users, local or remote.

01.01 Solutions to fit your needs:

Blending IP Telephony with existing traditional digital technology, providing flexible and cost-effective options for preserving your existing infrastructure, while delivering remote worker connectivity.

01.01 Leverages existing investments by creating Networks:

Connect remote offices to your Company headquarters; providing centralized call handling, & lower network call costs.

01.01 IP Ready

A Converged IP Platform offering advanced business solutions for single or multi-site networks.

01.01 Plug 'n Play Technology

Choose from a range of IP telephone or soft phone devices, and benefit from working at any desk of your choice.

01.01 Application Integration

Benefit from integrating IP telephony with real business applications, for up to date contacts, visible presence, and security camera integration.

01.01 Multi-site Networking

H.323 or SIP Trunks offering number portability, lower calls costs, plus full support for digital ISDN & QSIG

Advanced IP Terminals

The use of Panasonic IP system telephones provides advanced features and flexible working for your local office or remote worker needs. Alternatively, the KX-TDE platforms fully a range of advanced open standard based SIP telephone devices for the ultimate choice and style to suit your business network application.

01.01 Integration with your Data Network

Naturally these new IP telephones connect directly into the same data network as a PC, and provide advanced Telephony features with the same level of functionality and comfort of the proven digital system telephones and more.

In fact these new devices with features like wide-band audio xDSL support and many others, provide an ideal solution for the 21st century networks available today.

- Hi-Fi voice quality
- Large alphanumeric displays
- Bluetooth module (KX-NT307)
- Electronic self-labelling keys

01.01 Free yourselves - KX-NT300

Panasonic IP system telephones can make communication as simple for you as possible. Imagine a telephone device that doesn't need to have new labels written, every time you change a personal telephone number, or system features with multiple page options extending to the number of additional keys. These new features, in addition to Bluetooth device integration, wideband hands-free operation, and many more are now available in the new NT300 series range.



*1 Optional. All Models

*2 Optional. KX-NT366

*3 Optional. KX-NT346 / KX-NT346

Above image: Model KX-NT366. Other Models may vary.

Easy To Read LCD Display



Optional Bluetooth Module



Self Labeling Keys



Easy To Navigate



Easily Program Favorite Numbers



Mult-tilt Angle Adjustment



Advanced IP Terminal Line-up

KX-NT343

- 3-Line Back-lit Display
- 24 Programmable Keys
- Full Duplex Speakerphone
- 2 Ethernet Ports (100Base-T)
- Power Over Ethernet (PoE)
- KX-NT303 compatible
- KX-NT305 compatible
- KX-NT307 compatible

KX-NT346

- 6-Line Back-lit Display
- 24 Programmable Keys
- Full Duplex Speakerphone
- 2 Ethernet Ports (100Base-T)
- Power Over Ethernet (PoE)
- KX-NT303 compatible
- KX-NT305 compatible
- KX-NT307 compatible

KX-NT366

- 6-Line Back-lit Display
- 4 x 12-Self labelling, Programmable Keys
- Full Duplex Speakerphone
- 2 Ethernet Ports (100Base-T)
- Power Over Ethernet (PoE)
- KX-NT307 compatible

KX-NT303

- 12 Additional Programmable key module (KX-NT346 and NT343 only).

KX-NT305

- 60 Additional Programmable key module (KX-NT346 and NT343 only).



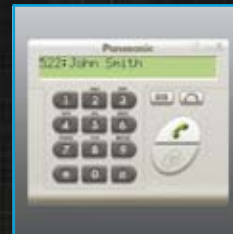
IP Softphones for Remote Workers

01.01 IP Softphones

To compliment our range of IP Telephones, Panasonic also offers IP Soft-phones for desktop or laptop PC's. These applications provide home works, remote sales and support staff, or any other power user to use their computer as a powerful IP telephone for access to anytime, anywhere office integrated telephony. Businesses can offer all of their remote employees - whether in branch offices, remote sites, or travelling to the same range of business applications and feature offering totally transparent working arrangements. IP soft phones can also be integrated in a fully personal desktop application suite, offering presence, integration with Microsoft Office and full integration with your corporate directory.



Compact Mode



Easily See Incoming Calls and Messages



One Touch Call Recording



Panasonic Wireless Solutions Offer True Mobility

Enjoy superb mobility for your business demands.

With standard, business, or tough-type DECT for the harsh environments - you can be assured that no matter what your needs - with Panasonic; you have the DECT Business mobility solution of choice.

01.01 Wireless Telephony

The Multi-Cell DECT Solution is an integrated wireless mobility application designed for use with a Panasonic KX-TDE IP PBX. This solution provides automatic hand-over between installed wireless cell stations – offering enhancing coverage, and giving you true communication mobility even within large premises.

The Panasonic KX-TCA355 ruggedised handset meets strict dust and splash resistance to IP54 standards. This is combined with a vast array of business telephony features.

The KX-TCA256 DECT handset combines small size, light weight and durability, with a host of powerful business telephony features like full corporate directory, hands-free speaker phone, backlit keys and headset support, just to name a few.

01.01 Improved Mobility

The range of DECT handsets are fully supported with a choice of Cell Stations supporting 2, 4, or 8 simultaneous calls across multiple floors, or large campus environments and even have extended signal repeaters available for the hard to reach places, you just know need to be covered.

All these options fully compliment the KX-TDE mobility solution by extending the systems capabilities wherever your business take your employees including support for GSM & 3G parallel mobile integration.



- 6-line, Blue, backlit LCD display
- Illuminated Keypad
- Multiple Language Display
- Speakerphone
- Programmable Soft Keys
- PBX functionality support
- 200 Entry Phonebook
- Headset Compatible
- 9 Ringer Melodies
- 10 Programmable Hot Key Dialling
- Vibrate Alert*¹
- Meeting Mode*¹
- IP54 Dust and Splash resistant*²

*¹ KX-TCA355 and KX-TCA256

*² KX-TCA355 only

Easy Access to System Features



200-number Phone Book



Headset Jack for Hands-Free Access



Water and Dust Resistant



Easy to Read Blue Back-lit LCD



Easily Dial Numbers in Dark Conditions



Digital Signal Processor (DSP) Calculations

01.01 Digital Signal Processor

DSP or Digital Signal Processor is a highly advanced Integrated Processor that can add additional processing capability to the TDE IP PBX.

The DSP card provides three main functions, and is highly recommended for all TDE system configurations:

1. Provides High call quality, whilst reducing call costs across a customers Local Area or Wide Area Network.
2. Provides required connections between IP, Digital, and Analogue Trunks and extensions.
3. Provides built in Activation Keys
 - DSP16 = 8 IP Extension Keys, 4 IP Trunk Keys
 - DSP64 = 32 IP Extension Keys, 16 IP Trunk Keys

01.01 Which DSP does my customer need?

In many cases, a DSP16 will meet the needs of many customers.

01.01 When to choose DSP64

- If you have more than 16 G.729 compressed VoIP extension calls.
- If you have more than 12 G.729 compressed VoIP trunk calls.
- If you have more than 7 G.729 compressed trunk calls connected to 7 G.729 compressed extensions.

Feature Activation Keys

01.01 Activating Additional Features

The TDE IP PBX systems have all required IP extension and trunk hardware built in, with access via activation keys on a per port basis.

This provides significant benefits to both customers and dealers alike:

Dealers can remotely add additional users VoIP telephones or VoIP trunks, simply by purchasing a license, adding it remotely to the system via remote access, speeding up the installation time and reducing costs for both dealer and customer.

Part Number	Activation Key Description
KX-NCS4104	4-Channel IP Trunk - (4 IP Trunk)
KX-NCS4208	8-Channel IP Softphone/IP Proprietary Telephone - (8 IP Softphone/IP PT)
KX-NCS4508	8-Channel IP Proprietary Telephone - (8 IP PT)
KX-NCS4716	16-Channel SIP Extension - (16 SIP Extension)
KX-NCS4910	Software Upgrade to Enhanced Version (Software Upgrade 01)

Seamless Migration for Existing KX-TDA Customers

01.01 Easy Migration to IP

Panasonic offers a simple but reliable solution to make it easy for existing customers with KX-TDA systems to effortlessly migrate or upgrade to IP Telephony, protecting investments and allowing adoption of new business solutions.

KX-TDE has been introduced to offer a Pure IP PBX for new customers, and a comprehensive migration solution for those using existing KX-TDA solutions.



Panasonic
ideas for life

TDE
Pure IP-PBX