

Panasonic

BUSINESS

Smart Hybrid PBX
KX-NS500

The solution to your communication needs



All-in-one smart business communication server

Reducing total cost of ownership and maximizing business output are the crucial subjects for any kinds of businesses.

Panasonic smart hybrid communication server can answer to these needs with built-in solutions and a variety of industry-unique terminals and applications.

Key features

- Flexible expandability from 18 extensions up to 258 extensions.
- Built-in business package such as simple contact centre solutions, voice mail, instant message app, employee productivity management applications are available.
- Smartphone integration
- Variety of terminals compatibility (DECT, IP/Digital/Analogue terminals, softphone applications, monitoring devices)
- Multiple time zones/holiday tables under one PBX. (V8.0 or later)



Reducing Total Cost of Ownership

with built-in business package



Maximizing Business Output

with integrated solutions



Fulfilling Communication + Needs

Monitoring, application integration

Reducing Total Cost of Ownership

Basic business communication features are all in built into the KX-NS500 communication server.

By utilizing built-in call handling features, unified communication apps, employee management applications, business owners can multiply productivity while minimizing cost.

Built-in Basic Business Communication Needs

Basic business communication needs covered by KX-NS500 platform. Without requiring external devices, you can build up office communication infrastructures. Minimizing cost, but yet satisfying your clients with fast responses.



Voice mail

Sends e-mails to notify you when you have new voice messages.

Auto Attendant & Queue Announcement

Automatic guidance for call routing and queue position can be announced. It directs clients to the right department and callers can either stay in the call line or leave a voice message after the queue announcement.

Unified Communication App

PC-based basic chat application is built into the KX-NS500 server. Additional features like CRM integration by TAPI can also be added with activation licenses.

Mobile Integration

By installing designated applications, smartphone devices can work as company extensions.

Employee Management App

Call statistics analysis report, as well as employees log-in/log out data can be managed by data with built-in application*1.

*1 Activation key needed to manage log-in/log out data.

True Hybrid

Saving costs with utilizing your existing resources

KX-NS500 supports all available network connections in one platform. Both on the outside line as well as the extension side. Whether you connect to analogue or digital lines, or via Ethernet to a SIP trunk, we will manage your connection and supply you with a voice and unified communication experience. By applying this "True Hybrid" concept, your business can be ready even for future platform transition with minimum investment.



Saving costs with IP networking

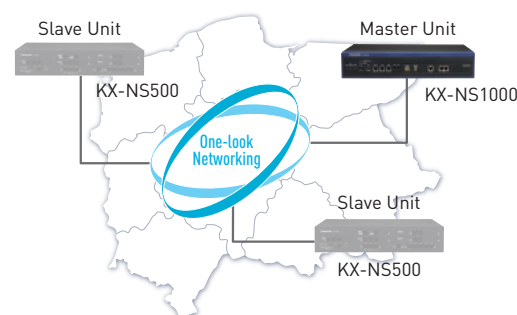
Saving Network Costs

By connecting the KX-NS500 units in different offices with an IP network, you can construct a network that integrates both voice and data. This enables extension calls between offices over the IP network, and reduces costs.

Saving Costs when Expanding

The One-look Networking function, enabled by linking with the Panasonic KX-NS1000, lets you control the entire system including other offices with a single KX-NS1000.

Since existing devices can also be used, the system can be expanded with reduced running costs and investment costs.



Maximizing Business Output with Integrated Solutions

► Location-free Office, Flexible Work Style

Built-in Media Relay Gateway

The Built-in Media Relay Gateway (MRG) of the KX-NS500 enables you to install IP phones in locations distant from the office, such as the homes of teleworkers. By connecting with IP networking, IP phones^{*1} and DECT wireless systems^{*2} can be configured remotely and used as KX-NS500 extensions. Mobile workers using a softphone on a smartphone or PC can also use IP phones as extensions when they are away from the office. With KX-NS500 V8.0 or later, one PBX can have multiple holiday tables and time zones, enabling terminals at remote offices to display different time zones without the purchase of another system. Furthermore, MRG enhances network security by rejecting connections from non-Panasonic SIP phones when a SIP extension remote connection occurs^{*3}.

*1 KX-NT600 series, KX-NT500 series, KX-UT series, KX-HDV series, IP softphones, Mobile Softphone (KX-UCMA), and third party SIP phones are supported.

*2 When using the KX-NS0154

*3 This function can be turned on/off in the system settings.



IP Softphone



► Use Office Phone Number with Your Mobile

Smartphone Integration

Using Smartphones as Extensions

With Panasonic Mobile Softphone, your smartphone can be registered as a company extension number. This allows you to stop using your private phone number for work while still never missing calls.

One Numbered Extension

IP phones such as desk phones or softphones can be paired to use a single number.

When making calls, the customer is notified of your office phone number instead of the number of your mobile phone.



► Visually Manage Activities of Remote Employees

Employee Productivity Management

KX-NS500 supports a built-in Employee Productivity Management feature. Managers can check each employee's log-in/log-out time record and view call activity remotely. Call performance and log-in/log-out logged data can be automatically delivered by e-mail, so managers can make use of the data according to their needs.



The KX-NS500 communication server enables a location-free workstyle by integrating mobile devices. It also packages an employee productivity management application through which employers can manage log-in/log-out time and call statistics data, even for employees who work at remote locations. A variety of terminal types enables seamless communication which leads to maximized business output.

► Mobility Enhances Communication for Any Business Style

DECT Devices Integrated Solutions

Panasonic's wireless phones include a standard model (KX-TCA185), a tough model (KX-TCA385), and a compact & lightweight (88g) model (KX-TCA285), which are suitable for use in various environments.

All models are equipped with our unique technology that enables comfortable conversations, even in noisy places.

By using the IP-CS with LAN Synchronization and the repeater, it is possible to construct a wireless system covering a wide range of property at a low cost.

Within the coverage area, you can keep in constant touch with colleagues and customers even when moving around the work environment.



Waterproof



Dustproof



Automatic Paging System

Using the automatic paging system enables you to efficiently share information to entire floors. With this system, pre-recorded messages can be broadcasted either on the scheduled time automatically or manually. The system can broadcast the messages through designated extension terminals or 3rd party SIP speakers. * For example, it's a convenient feature when you need to broadcast an advertisement announcing the start time of a time-limited sale to customers in retail businesses. This can also be used for daily fixed messages to staff working on a large floor.

*Requires inter-operability testing prior to installation.



► Ergonomic and Stylish Mid-range Terminals with Colour LCD*

KX-NT680/KX-NT630

KX-NT680 is an IP phone model with a large colour LCD display. Its flat & slim design fits any type of office design and its UI design enables intuitive operation. Users can set a customised image on the colour LCD, so it's possible to use it for branding, or for displaying simple operation procedures or advertisements.

KX-NT630 is a mid-range IP phone with self-labelling flexible function keys and the same flat & slim design concept as KX-NT680.

The KX-NT6 series supports SRTP and MGCP-TLS, enabling secure encrypted communication.

* KX-NT680 only.



KX-NT680

KX-NT630



Intuitive Operation

The status of the assigned function keys shows on the LCD in colour. It is easy to know the status at a glance.

Graphical Status Icons

Missed call or voicemail status displayed by easily found colour icons.

Customisable Image

KX-NT680 can import an image file to display on the LCD such as company logos, seasonal advertisements.

Fulfilling Communication +a Needs Monitoring, Application Integration

► Safety, Monitoring, and More

Using the Communication IP Camera (KX-NTV150) and IP Video Doorphone (KX-NTV160) as extensions for KX-NS500, you can set up a simple monitoring system. The KX-NTV series has motion/voice detection features and informs you by phone calls or e-mails. It also has digital input/output ports to integrate with external alarm systems.

Additionally, you can make an entrance monitoring system by combining KX-HDV430 and KX-NTV160, or a wide area monitoring system by integrating professional CCTV cameras.



Monitor images from KX-NTV series cameras



Mobile Softphone

* The photo is for illustrative purposes only.



KX-HDV430



Monitor storage rooms

KX-NTV150



Monitor visitors and unlock doors*1

KX-NTV160



The KX-NTV series also has digital input and output ports to integrate with external alarm devices.

Compatible Panasonic CCTV cameras



KX-HDV430 can also be used to monitor images from professional network camera devices from Panasonic.

► Emergency Dial Alert

This function enables a swift response to emergency calls (such as 911) made by the extensions registered to the KX-NS500. When the emergency call is detected, the system can immediately send notifications to designated extensions by indicating calling party's information on terminal LCD, or sending notification by ring alert tones or broadcasting pre-recorded message. E-mails also can be sent to a registered address to inform about the callers dialled the emergency number.



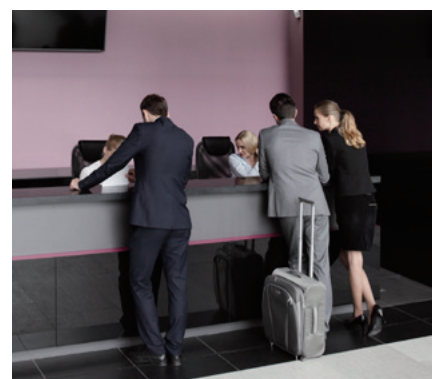
► Built-in Interface to Integrate with Hotel FOS Applications

The KX-NS500 supports a FOS (Front Office Software) interface function. You can connect the KX-NS500 directly to a FOS without purchasing a third party external interface equipment to construct a cost efficient hotel system. Integration with third party FOSs also enables easy call management for receptionists and operations, and streamlines wake-up call setting and management. This makes locking out phones of checked-out guests a one-touch operation.

Customer satisfaction is further improved with KX-NS500 V7.0 and later. It supports Fidelio compatible FOS from third party vendors and features such as room changes or SIP-based voice mail, improving integration between applications and phone systems.*2

*1 A third-party door opener is necessary for this use case.

*2 Requires inter-operability testing prior to installation.



KX-NS500 supports more than simple voice communication.

You can build a monitoring system in cooperation with IP Camera, IP Video Doorphone, professional CCTV cameras, and operate the hotel system efficiently with built-in FOS interface function. Furthermore, various integrated communication apps empower high-speed and accurate information sharing and communication among employees.

▶ Work Efficiently with Diverse Communication Methods

Unified Communication Application

Communication Assistant (CA)

CA is a highly intuitive PC-based application suite with powerful point and click telephony and screen-based presence, availability, and a variety of collaboration tools. It can be used with or without a server.

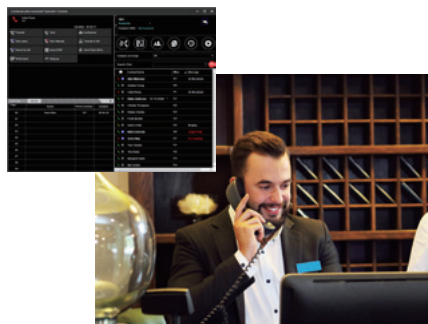
CA Basic-Express/CA PRO For Personal Productivity

Perform call parking and call transferring with simple drag-and-drop in a graphical interface. Multi-site support is also available when using One-look Networking.



CA Operator Console For Operator or Receptionists

Easily make calls by searching for a desired contact from a customisable contact list. Also check the phone status and PC status of employees working at remote locations.



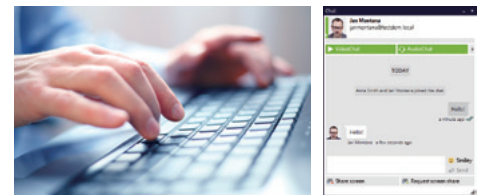
CA Supervisor For Teams or Executive Users

Monitor the performance of set extension groups in real-time with simple mouse operations, and manage operators by listening in on telephone conversations and taking over calls.



UC Pro 2^{*1,2}

UC Pro 2 supports multiple devices such as Windows® PCs and mobile phones (iOS / Android™) and provides collaborative functions, including presence management, audio/text/video chat, and synchronization with Outlook® Calendar. Mobile clients can communicate with an account that is also registered to their PC, so they can take care of business while out of the office. For Windows users, screen sharing is also available, which makes voice communication smoother by enabling you to share information visually.



Mobile Softphone^{*1,2}

The Panasonic Mobile Softphone for smartphones is a SIP based softphone that includes an audio/video communication, Push Notification and does not require a server at the end user site. It also comes with SIP TLS features, which enhances security by hiding SIP passwords from crackers. This application enables your smartphone to work as a company phone wherever you are, while enhancing communication and minimizing costs.



Partner Applications^{*1}

Partner applications enable you to enhance and customise the functions of the KX-NS500 to meet the needs of specific industries such as hotels, healthcare, and call centres.

^{*1} An internet connection (Wi-Fi®/3G/4G/LTE) is required to use the application on mobile devices such as smartphones or tablets.
Voice quality may depend on the network environment.

^{*2} UC Pro app and Mobile Softphone app are available on the App Store or Google Play™.



IP Proprietary Telephone



KX-NT680

- 480x272 pixel Large Colour LCD Display
- 4 x 12 Self-Labeling, Flexible Function Keys
- Customised image data can be displayed on LCD
- Full Duplex Speakerphone
- 2 Ethernet Port (1000 Base-T)
- Power-over-Ethernet (PoE)
- EHS Support
- Built-in Bluetooth® for Headset
- SRTP and MGCP-TLS Support
- Available in Black and White



KX-NT630

- 6 line Monochrome LCD with Backlight
- 4 x 6 Self-Labeling, Flexible Function Keys
- Full Duplex Speakerphone
- 2 Ethernet Port (1000 Base-T)
- Power-over-Ethernet (PoE)
- SRTP and MGCP-TLS Support
- Available in Black and White



KX-NT560

- 4.4 inch Backlight LCD Display
- 4 x 8 Self-Labeling, Flexible Function Keys
- Full Duplex Speakerphone
- 2 Ethernet Port (1000 Base-T)
- Power-over-Ethernet (PoE)
- Built-in Bluetooth for Headset
- Available in Black and White



KX-NT556/
KX-NT553



KX-NT551



KX-NT511A/
KX-NT511P



Option
KX-NT505

Digital Proprietary Telephone



KX-DT546

- 6-Line Backlight LCD Display
- 24 Flexible Function Keys
- Full Duplex Speakerphone
- Available in Black and White
- Option: KX-DT590



KX-DT543



KX-DT521



Option
KX-DT590

IP Phone (SIP)



KX-HDV430

- Video Communication
- 4.3 inch Backlight LCD Display
- Colour Touch Panel
- 3 x 8 Self Labelling, Programmable Keys
- 2 Ethernet Port (1000 Base-T)
- Power-over-Ethernet (PoE)
- Full Duplex Speakerphone
- Built-in Bluetooth for Headset
- EHS support
- Available in Black and White



KX-HDV330



KX-HDV230



KX-HDV130



KX-HDV100

IP Conferencing Phone



KX-HDV800

- HD Voice
- 360° Omnidirectional Microphone
- Illuminated graphics (LCD), 128 x 64 pixels
- Power-over-Ethernet (PoE)
- USB 2.0 Mini B
- 1 Ethernet port (10/100 Base T)
- 1 SD memory card port
- Colour: Liquorice black
- Device controllable smartphone application

DECT Portable Station

KX-TCA185/KX-TCA285/KX-TCA385

- 1.8 inch Colour LCD
- Noise Reduction
- DECT Paging
- Vibration



Standard



Compact



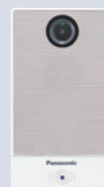
Tough

IP Camera (SIP)

Communication IP Camera

KX-NTV150

- Video Communication
- Dedicated Camera for the KX-NSX/NS/HTS series
- Built-in Wireless LAN
- Power-over-Ethernet (PoE)/AC Adapter
- One Touch Calls
- Auto Dialling with Sensor



IP Video Doorphone

KX-NTV160

- Video Communication
- Dedicated Camera for the KX-NSX/NS/HTS series
- IP43 Support
- Power-over-Ethernet (PoE) only
- One Touch Calls
- Auto Dialling with Sensor



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Important

- Safety Precaution: carefully read the operating instructions and installation manual before using these products.

- All pictures of LCD display and LED lamp are simulated.
- The actual product may vary slightly from photograph.
- Weights and dimensions are approximate.
- Design and Specifications are subject to change without notice.
- These products may be subject to export control regulations.

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