Compact Hybrid IP-PBX

KX-HTS824

Version 1.0

All-in-one Smart Business package
Panasonic New Compact Hybrid IP-PBX KX-HTS824

- Basic Call Features in built
- No Options
- Flexible Trunk Line Selection (Analogue/IP)
- Smartphone as Extension
- Built-in Router, Wi-Fi® Access Point
- Video Communication
- Cost Performance, Plug and Play Programming

*Wi-Fi is registered trademark or a trademark of Wi-Fi Alliance.
Panasonic can be a one stop solution vendor

Consultant: Panasonic KX-HTS824
Brand: B

1) IP/Legacy Flexible Hybrid System
Works flexibly in both IP and Analogue configurations.
Mixing both is also possible and there is no need to change PBX when changing the trunk line from Analogue to SIP.

2) Built-in Router
The Built-in Router is one of Panasonic's exclusive selling points.
You can use the KX-HTS824 as a phone system as well as a network device.

3) Video Terminal, Doorphone, Cameras
A complete phone system, cameras and door phones under one brand.
Purchase and maintenance is simple.

Comparison vs Competitors

<table>
<thead>
<tr>
<th>Vendor Model</th>
<th>Panasonic KX-HTS824</th>
<th>Brand B</th>
<th>Brand C</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP/Analogue Flexibility</td>
<td>Yes, but IP/Analogue both up to 24 ext</td>
<td>Yes, but Legacy up to 10 ext</td>
<td>Yes but IP Capacity is up to 16 ext</td>
</tr>
<tr>
<td>Built-in Router</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Video Terminal</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
System Connection Image

Home Office
- Corded IP Phones KX-HDV Series
- PC*
- Smartphone* 

Work as PBX extensions
No Extra Charge

Main Office
- Corded IP Phones KX-HDV Series
- PC*
- Smartphone*

Hybrid IP-PBX KX-HTS824

Office Desk
- Corded IP Phones KX-HDV series
- Single Line Telephones

Smartphone*
PC*
Work as PBX extensions

Remote Usage
- Smartphone*
- PC*

Work as PBX extensions
No Extra Charge

Entrance
IP Doorphone KX-NTV160

Backyard
Communication IP Camera KX-NTV160

Cellular Network

SIP Trunk/ PSTN

Wi-Fi

Media Relay Gateway

WAN

Remote Usage

3rd party Software Phone is necessary to install.
Connection Test is necessary for 3rd party phones prior to the usage.
How does KX-HTS824 improve your business environment?

* Please carefully read the operating instructions and manual before using these products.
Benefit 1
Seamless Communications
Stay Connected with BYOD function

No Missing Important Customer Calls anywhere, anytime.

◆ Salesmen can take the customer’s phone call anytime with smartphones with software phone functionality even outside of offices.*

- Software phone Work as PBX extension. No Extra Charge
- Customer satisfaction by anytime reachable salesmen

◆ When salesmen calls from software phone, it shows the Company phone number not their private number to the customer.*

- Shows Company Phone number AAA-BBB-CCCC

◆ Recorded voice mail messages can be transferred by e-mail to smartphones or PCs.

- Listen to the customer message → Speedy correspondence possible

*A 3rd party SIP software phone is required for use. Please conduct connection testing prior to the usage.
Benefit2
Visual Communications
Quick and Simple Video Communications

Visual Communication Improve the Business Productivity

- KX-HTS824 has Video Communication Terminal as a compatible device. By utilizing these, quick and simple video communication is possible.

Business Owner working at Home Office

- Simple Video Conferencing
  No dedicated Apps necessary, just as you call to company extension.

Main Office

- KX-HTS824 also has IP Doorphone and IP Camera as compatible devices. Remote coaching is also possible.

Warehouse at 1st floor

Office Desk at 2nd floor

KX-NTV supports two way voice comm

Coaching the employees remotely by watching the actual work place.
Benefit 3
Safety Monitoring System
As your Office Simple Safety System

Visual Communication Devices Usable as Office Safety System

- **As Entrance Monitoring and Control System**
  An entrance monitoring system using the KX-NTV160 IP Doorphone and KX-HDV430 video terminal is possible. You can control opening the door using the KX-HDV terminal or a smartphone even remotely.

- **As Simple Office Safety Monitoring System**
  The KX-NTV150 IP camera and KX-NTV160 IP Doorphone work as an PBX extension. Both have motion/voice detection functionality and digital input and output ports to integrate with external devices.

*Bria phone is needed. Please conduct connection test prior to the usage.*
Benefit4
Smart Price Business Start
Customize your System to be Smart Pricing

- **KX-HTS824**’s compatible Single Line Telephone can create the Simple and Smart Price Office Phone System.

- The system has a built-in Router. You can use the KX-HTS824 as a phone system as well as a network device.

No Exclusive Router is required for Wi-Fi connection.

You can use your smartphones or tablets by connecting with Wi-Fi of KX-HTS824.

- 2-Line LCD display
- Caller ID Compatible
- Speakerphone for Hands-Free Conversation (KX-T7705 only)
- Batteries not needed (Power source from Telephone Line)
- Available in Black and White
Appendix

* Please carefully read the operating instructions and manual before using these products.
### System Capacity and Compatible Terminals

The KX-HTS824 has both PSTN/SIP for trunks and single line telephone and SIP terminals for extensions. A full line-up of terminals including video phones is available.

#### All-in-One Package Platform (IP/Legacy/Wi-Fi/Video/Voice Mail/SLT)

#### Hybrid IP-PBX

<table>
<thead>
<tr>
<th>Maximum Trunk</th>
<th>Type</th>
<th>Preinstalled</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Number of Trunks</td>
<td>8 (6 if G.729a)</td>
<td>8 (6 if G.729a)</td>
</tr>
<tr>
<td></td>
<td>SIP</td>
<td>6 (G.711), 4 (G.729a)</td>
<td>6 (G.711), 4 (G.729a)</td>
</tr>
<tr>
<td></td>
<td>Analogue</td>
<td>4</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Terminal Equipment</th>
<th>Type</th>
<th>Preinstalled</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Extensions</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>SIP</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Analogue</td>
<td>8</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>DISA (ch)</td>
<td>4*</td>
<td>4*</td>
</tr>
<tr>
<td></td>
<td>Built-in VM (ch)</td>
<td>4*</td>
<td>4*</td>
</tr>
<tr>
<td></td>
<td>Doorphone (Analogue)</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Door Opener (Analogue)</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Options

<table>
<thead>
<tr>
<th>Options</th>
<th>KX-HT82480</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCOT4</td>
<td></td>
</tr>
<tr>
<td>SLC8</td>
<td>KX-HT82470</td>
</tr>
<tr>
<td>DPH2</td>
<td>KX-HT82460</td>
</tr>
<tr>
<td>Battery Cable</td>
<td>KX-A277</td>
</tr>
</tbody>
</table>

* The DISA and VM has a total capacity of 4 channels.
### IP Phone (SIP) 'KX-HDV Series'

#### Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>KX-HDV100</th>
<th>KX-HDV130</th>
<th>KX-HDV230</th>
<th>KX-HDV330</th>
<th>KX-HDV430</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD</td>
<td>2.3-inch, Monochrome</td>
<td>2.3-inch, Monochrome</td>
<td>2.3-inch, Monochrome</td>
<td>4.3-inch, Colour Touch Display</td>
<td>4.3-inch, Colour Touch Display</td>
</tr>
<tr>
<td>Backlight</td>
<td>N/A</td>
<td></td>
<td></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Speakerphone</td>
<td>N/A</td>
<td></td>
<td></td>
<td>Yes (Full Duplex)</td>
<td></td>
</tr>
<tr>
<td>Programmable Button</td>
<td>2</td>
<td>2 x 12</td>
<td>3 x 8</td>
<td>3 x 8</td>
<td></td>
</tr>
<tr>
<td>Self Labelling</td>
<td>N/A</td>
<td>2 x 12</td>
<td>3 x 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bluetooth Headset Support</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes (Built-in)</td>
<td></td>
</tr>
<tr>
<td>Wired Headset Port</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes (RJ9 jack)</td>
<td>Built-in</td>
<td></td>
</tr>
<tr>
<td>Electronic Hook Switch</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes (Φ3.5mm pin jack)</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Ethernet Port</td>
<td>1 port (10/100M)</td>
<td>2 port (10/100M)</td>
<td>2 port (10/100/1000M)</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>PoE Support</td>
<td>N/A</td>
<td>KX-A423</td>
<td>KX-A422 or KX-A424</td>
<td>KX-A424</td>
<td></td>
</tr>
<tr>
<td>AC Adapter</td>
<td>Included</td>
<td>KX-A440</td>
<td>KX-HDV20 (Up to 5 units)</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Wall Mount Kit</td>
<td>KX-A422 or KX-A424</td>
<td>Included</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expansion Module</td>
<td>N/A</td>
<td>KX-HDV20 (Up to 5 units)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Options

- **AC Adapter**: Included
- **Wall Mount Kit**: KX-A440
- **Expansion Module**: N/A
- **Colour Variation**: White, Black

<Note> Some operations may vary depending on the type of telephone being used.
## IP Camera and IP Doorphone

### Specifications

<table>
<thead>
<tr>
<th>Communication IP Camera</th>
<th>IP Video Doorphone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KX-NTV150</strong></td>
<td><strong>KX-NTV160</strong></td>
</tr>
<tr>
<td><img src="image1.png" alt="Communication IP Camera KX-NTV150" /></td>
<td><img src="image2.png" alt="IP Video Doorphone KX-NTV160" /></td>
</tr>
<tr>
<td>✦ Video communication</td>
<td>✦ Video communication</td>
</tr>
<tr>
<td>✦ Protocol: SIP</td>
<td>✦ Protocol: SIP</td>
</tr>
<tr>
<td>✦ Dedicated camera for the KX-NSX/NS/HTS series</td>
<td>✦ Dedicated camera for the KX-NSX/NS/HTS series</td>
</tr>
<tr>
<td>✦ Built-in Wi-Fi</td>
<td>✦ IP43 support*</td>
</tr>
<tr>
<td>✦ PoE/AC Adapter</td>
<td>✦ PoE only</td>
</tr>
<tr>
<td>✦ One touch calls</td>
<td>✦ One touch calls</td>
</tr>
<tr>
<td>✦ Auto dialling with sensor</td>
<td>✦ Auto dialling with sensor</td>
</tr>
</tbody>
</table>

* IP43 compliant:
  Resistant to falling water droplets within a perpendicular range of 60 degrees (rain-proof design)
  Wires and other solid objects thicker than 1 mm in diameter cannot penetrate the device