Panasonic
ideas for life

IP Network Solutions
for Office Communication

The Panasonic PBX helps to reduce communication costs because it supports
IP systems containing both external phone lines and extensions.
Plus, you can start with phone lines, and then shift step-by-step to a full IP network.
This gives you the flexibility to enhance your system as the office grows.

Installing an IP-PBX at the head office eliminates the need for a branch PBX, which lowers installation costs.
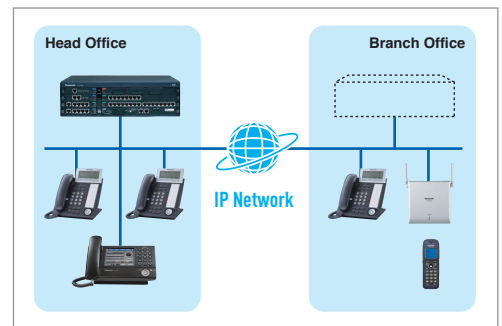
You can configure a wireless communication system by using the LAN compatible IP-Cell Station.

IP networks are also convenient for temporary communication systems at construction or event sites.
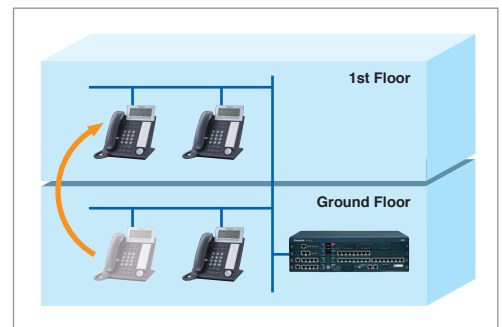
Lower Communication and Installation Costs

Installing an IP-PBX and using your carrier's IP line service will help to lower communication costs between the head office and a branch office. It also reduces installation costs because installing an IP-PBX in the headquarters eliminates the need for one in the branch office.
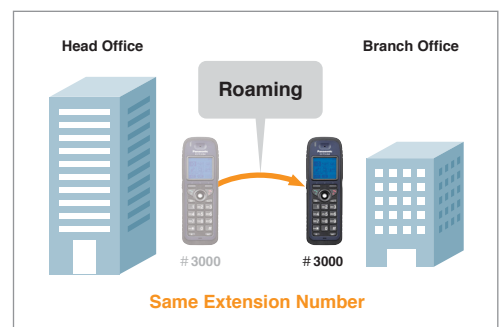

Head Office Branch Office
IP Network

Excellent Flexibility for System Layout Changes

By using IP phones as extensions, you don't need to change the settings at the PBX each time you change your system layout, as is normally required. Simply move the phone, and then connect it to the LAN for quick and easy use.

1st Floor
Ground Floor

The Roaming Function Lets You Use
the Same Extension Number at Different Worksites

A wireless DECT network allows a person, such as an office manager, to carry the handset around and be contacted in different locations. For example, you can contact the manager at the head office or at a branch office by calling the same extension number.

Head Office Branch Office
Roaming
3000 # 3000
Same Extension Number

A Versatile Line-Up for IP Networks

IP Proprietary Telephone

KX-NT400

KX-NT300 Series

SIP Telephone

KX-HGT100

IP Conferencing Phone

KX-NT700

Multi-Cell DECT System

KX-TCA175
Colour LCD
Basic Model

KX-TCA275
Colour LCD
Compact Model

KX-TCA364
Tough-type Model
(IP64 compliant)

**IP Cell Station
KX-NCP0158**

Communication Assistant

IP-PBX System Capacity (Maximum Number)

			KX-NCP500	KX-NCP1000	KX-TDE100	KX-TDE200	KX-TDE600
Total Number of Trunks			72	96	128	128	640
	Trunk with option card		64	64	120	128	640
	IP Trunk on MPR card (SIP/H.323)		8	32	64*1	64*1	64*1
Total Number of Extensions (Using DXDP)			156*2	172*2	256	256	1152
	DPT	KX-DT300/T7600 Series	24	40	128	256	640
	SLT		20	36	96	128	960
	IP-PT	KX-NT300 Series	128*2	128*2	192	192	704
		KX-NT400	64*2	64	64	64	64
	SIP Extension		32	64	128	128	128

*1 Only 49 virtual trunk/extension card channels can be in use at any one time(except for peer-to-peer calls for IP extensions).
*2 Software Version 2.02 or later.

DECT Wireless System Capacity (Maximum Number)

	Item	KX-NCP500	KX-NCP1000	KX-TDE100	KX-TDE200	KX-TDE600
Cell Stations	KX-NCP0158 (8ch, LAN/IF)*	8	8	16	16	16
	KX-TDA0158 (8ch, DPT/IF)	2	4	16	16	64
	KX-TDA0155 (2ch, DPT/IF)	4	8	32	32	128
	KX-TDA0156 (4ch, CS/IF)	-	-	32	32	128
Portable Stations		64	128	128	128	512

* The KX-NCP 0158 is supported by the TDE Version 3, and NCP Version 2 or later.

Note:Functions and maximum capacity vary depending on the KX-NCP/TDE software version.

System Connection Diagram

Head Office

1st Floor

KX-NCP/TDE Series

Router

IP Network*

Router

Branch office

Ground Floor

Underground Floor

* The speech quality depends on the type of IP network in use. Managed IP networks provide better speech quality compared to unmanaged networks such as the Internet, where quality of service cannot be guaranteed.

Examples of recommended IP networks
- Digital Leased Line
- IP-VPN (Virtual Private Network)
- Frame Relay

Not recommended
- Internet (including an Internet VPN)

Panasonic