



IP Softphone

KX-NCS8100

Anytime, Anywhere Enterprise IP Telephony Solution

The Panasonic KX-NCS8100 IP softphone allows road warriors, sales and support staff, or any other power user to use their computer as a powerful IP softphone for access to anytime, anywhere enterprise IP telephony. Businesses can easily connect all of their remote employees - whether in branch offices, remote sites, or travelling and accessing the corporate IP network from across the globe. All employees can be centrally connected to a single Panasonic KX-TDA Hybrid IP-PBX over an IP network - providing simple yet highly cost effective VoIP communication.

With IP Softphone, wherever you are - you can easily communicate with your business colleagues or customers - giving you excellent mobility.

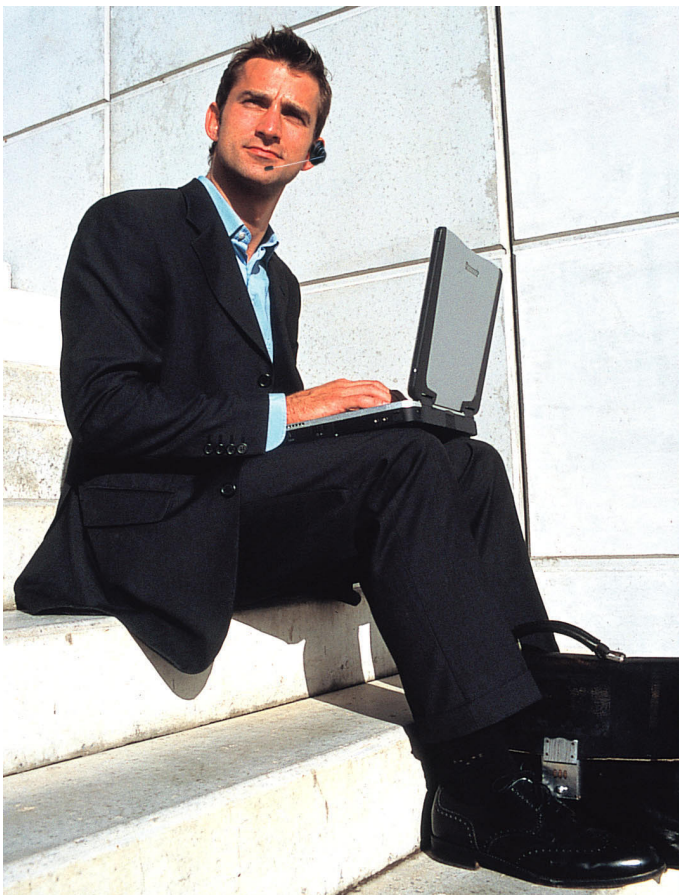
KX-NCS8100 IP Softphone

With the proliferation of laptop computers as well as high-quality low-cost headsets and easy access to IP networks - the underlying IP infrastructure is mostly in place to support "anytime-anywhere" access to corporate telephony applications. Panasonic IP softphone - together with the virtually ubiquitous broadband Internet access provides a compelling business case for companies to offer remote employees easy access to corporate telephony applications & services at an affordable price.

The Panasonic KX-NCS8100 IP softphone lets businesses empower workers such as sales, support, management and any other power-users whether at their desk in headquarter, branch offices, remote locations, or even while roaming across town or across the globe - to connect back to a central TDA Hybrid IP PBX using the IP network to access office telephony applications.

Using the IP Softphone, users can answer customer phone calls as well as originate calls to customers or work colleagues right from their PC without the need of a physical phone. A Headset, or a USB handset plus a few mouse clicks is all that is needed to access all of the corporate telephony features - making the IP softphone use - a joy and a breeze.

As companies require more flexibility in order to meet the growing needs of providing corporate voice communications to a dynamic work environment allowing for anytime, anywhere IP telephony - the Panasonic IP softphone is definitely the obvious choice.



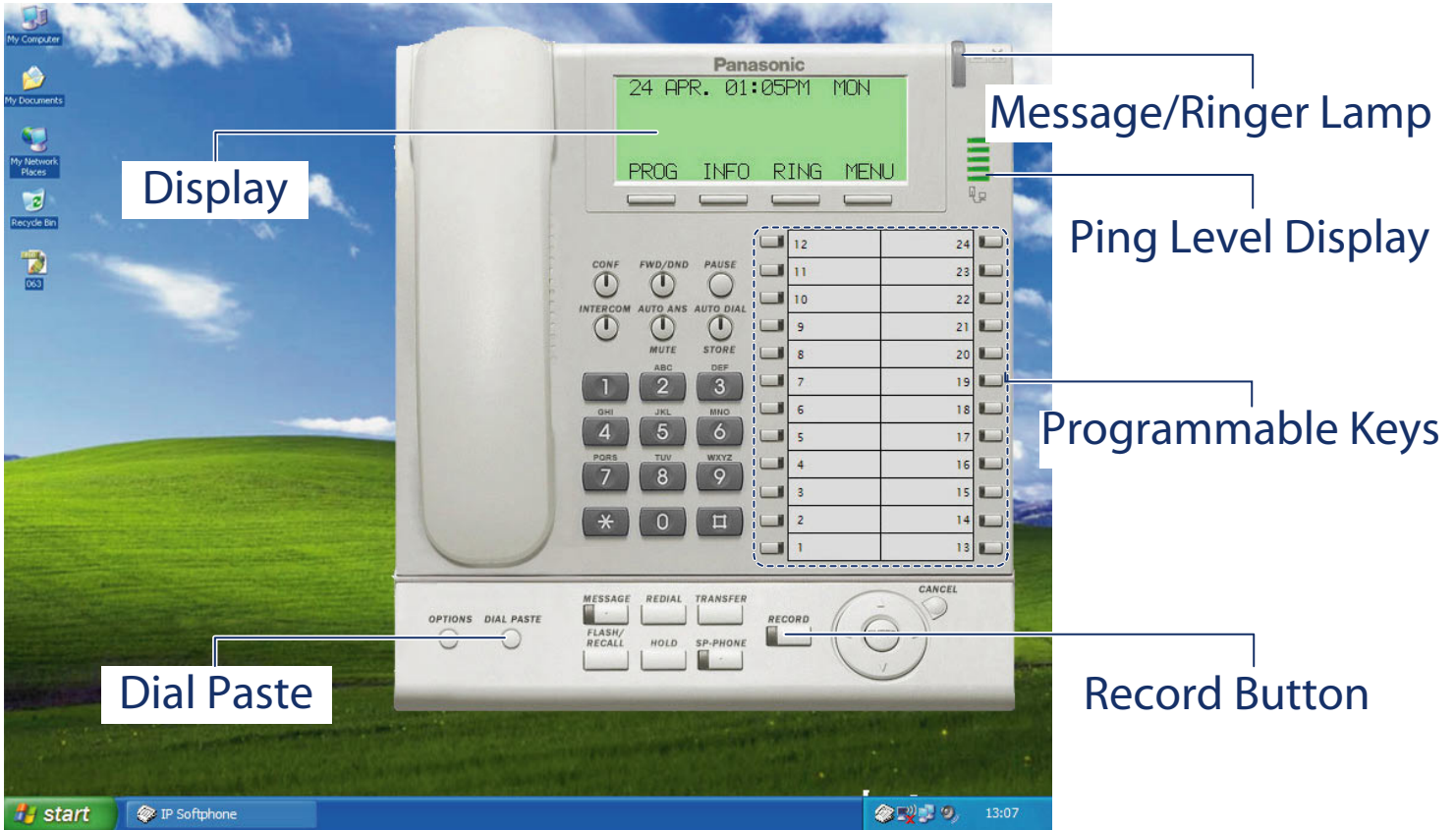
Licensing

The NCS8100 IP softphone application can be run in three modes:

- Free mode - All features are available for 60 days.
- Standard mode - Excludes call recording and dial paste. Requires one licence per user.
- Enhanced mode - All features are available. Requires two licences per user.

Feature	Free Trial*	1st Licence	2nd Licence
All Features Available	✓	-	-
Standard Features	-	✓	-
Enhanced Features. Includes Dial Paste and Call Recording	-	✓	✓

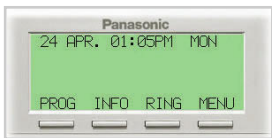
* All features are available for 60 days.



KX-NCS8100 IP Softphone

"Ease of use" is the first phrase that comes to mind when you launch the new Panasonic IP Softphone. The softphone GUI has been modelled after the existing high-end Panasonic system phone - allowing for virtually zero learning as customers start using the IP softphone.

24-Character Display



LCD Display: 72 x 14.5 (WxH)(mm)

The six-line 24-character display switches to show either the caller's name or telephone number* keeping you better informed when answering customer calls. It also shows the date and time, call log, call duration, and other useful information.

* To see the caller's name - the name and number must be registered in the PBX.
To see the caller's number - subscription to Caller ID service is required.

Programmable Keys



The twenty four (24) programmable keys can be assigned various PBX functions such as Call Park, Call Pick-up, and many more. Each key has a dual-colour display that shows the line status, extension status, and other related information. The key-labels can be easily edited via PC keyboard to visually display the name of the person or feature that is associated with that key.

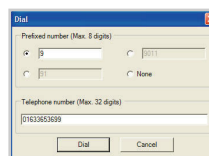
One-Touch Record Button



Record conversations directly onto your PC or network storage devices, minimising the need for a separate voicemail. The sound file can be emailed - if required. This function can also be applied to call centres where recording for security and training purposes are essential.

* Enhanced feature. Requires a second licence.

Dial Paste



Simply copy telephone numbers from Microsoft Outlook, Excel, or any other software application and paste them into IP Softphone for quick and easy dialling.

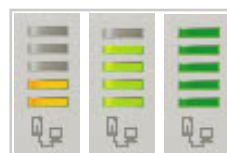
* Enhanced feature. Requires a second licence.

Message / Ringer Lamp



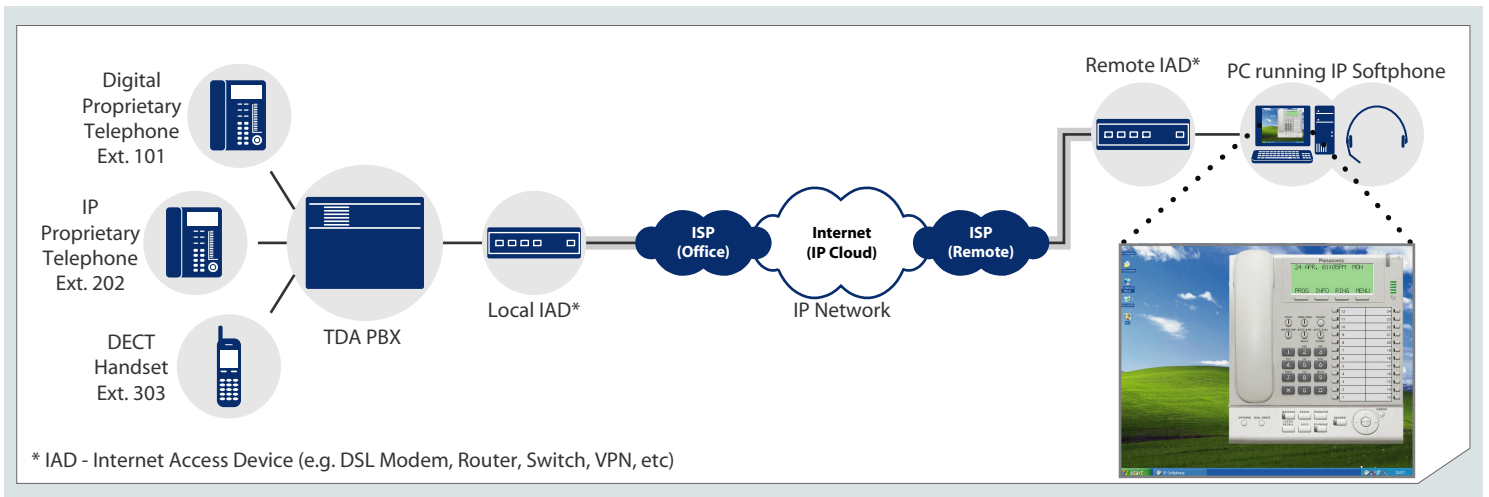
A large virtual dual-colour lamp - illuminates green to indicate when a call comes in and lights up as red to indicate when someone has left a message - allowing for intuitive operation.

Ping Level Display



Displays the IP Network Status between the IP Softphone and the PBX to provide network performance visual indication to user.

Connection Diagram



Specifications

	KX-NCS8100
Alphanumeric Display (Lines x Characters)	6 x 24
Feature Access Keys for Display	4
Programmable CO Keys	24
Direct Station Selection (DSS) Keys with Busy Lamp Field (BLF)	✓(*1)
Navigator Key	✓
Message / Ringer Lamp	✓
Call Forward/Do Not Disturb	✓
Redial	✓(*2)
Flash / Recall	✓
Hold	✓
Auto Dial (System Speed Dialling)	✓
Transfer	✓
Conference	✓

	KX-NCS8100
Intercom	✓
Message	✓
Pause	✓
Answer Key	✓(*1)
Release Key	✓(*1)
Auto Answer/Mute	✓
Record (Enhanced feature)	✓
Speakerphone	✓
Off Hook Monitor	✓
SP-Phone (Monitor) Volume Control	12 Levels
Handset Volume Control	4 Levels
Ringer Volume Control	4 Levels
Paging Receive	✓
Station Speed Dial	100 Numbers

(*1) Can assign to Programmable CO Keys. (*2) Automatic Redial is only available for ISDN lines

System Requirements

	Minimum	Recommended
Operating System	Windows 2000 SP4	Windows XP SP2
CPU	Pentium M 900MHz	Pentium M 1.86GHz (or higher)
RAM	256 MB Minimum	512 MB (or higher)
Hard Drive disk space	50MB Minimum (Installation)	250MB (or higher)
LAN (Ethernet)	10 Base-T	100 Base-T (or higher)
Display	XGA 1024 x 768	
Broadband	Business grade xDSL (recommended)	
Firewall	Tested with: XP SP2 Firewall, Zone Alarm v6.5, Norton Personal Firewall v2006, McAfee Personal Firewall v7.0, Sygate v5.6	
VPN	Tested over standard hardware based IPsec VPN	
Bandwidth	Fixed 100KB per call	
Peripheral Devices	Sound Card, Speaker, Microphone, CD-ROM drive	
PBX	KX-TDA100/200 PLMPR software file version 3.0 or later KX-TDA600 PLMPR software file version 2.2 or later	
IP extension card	Part Number: KX-TDA0470 with latest firmware	
CODEC	G.711 (20msec packetisation)	

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