



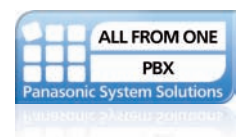
PRODUCT GUIDE AND SPECIFICATIONS

NS1000

The Panasonic KX-NS1000 is a SIP based Unified Communications and Collaboration server, designed to improve customers' business efficiency through Voice over IP and wireless technologies.

IP networking and SIP are fully supported, while maintaining backwards compatibility with traditional ISDN trunking to ensure flexibility.

- Expandable Voice Over IP communications server
- "One Look" networking features for fully transparent multi-site systems
- Easy install, easy maintenance, easy to use
- Optimised for 30 – 250 users, expandable to 1000 network users
- Tight integration with a number of powerful CTI applications



NS-1000



SYSTEM CAPACITY	Standalone maximum	One-Look Networking maximum
Trunks (Ch)	256	600
IP Trunks	256	256
SIP Trunks	256	256
H.323	48	96
Legacy Trunks	30	480
LCOT	2	32
ISDN BRI	8	128
ISDN PRI30	30	480
Extensions	640	1000
IP extensions	640	1000
SIP Phones	640	1000
IP PT	128	1000
Legacy phones	2	32
SLT	2	32
DPT	0	0
Dect Cell Stations	64	128
DPT-CS	0	0
IP Cell Stations	64 (16x4 Air sync groups)	128
DECT handsets	512	512
Voicemail	24 channels	24 x 16 channels
Built-in VM	24 channels	24 x 16 channels

NETWORK SERVICES	
HTTP Server	
FTP server / client	For system auto-update
DNS server	For MNT port
DNS client	
DHCP Server / client	
NTP server	For UT series SIP terminals
NTP client	
SMTP	
IMAP server	
Telnet	
SNMP ver 1/2c	

MAIN UNIT FEATURES		Feature	Notes
LED Indicators	STATUS	Run, Alarm	3 colour (green, amber, red)
	BATTERY ALARM	Backup battery low indicator	Red
	MASTER	Network master/slave	3 colour (green, amber, red)
System mode switch	System initialise / normal	"Initialise mode" or "normal mode" switching	Slide switch
USB port	USB	UPS Power alarm input	Type A
IP Ports (Ethernet)	MNT	Maintenance port	RJ45
	LAN	LAN interface	RJ45
	WAN	Reserved	RJ45
Music on hold / EPG ports	MOH	External music source port	
	EPG	External Paging port	
DPH port	Door phone	Door Phone / opener port	
Add in card slot 1			Refer to option cards table
Serial Port	RS-232C	RS-232C interface	DSub 9pin (at rear)
AC Switch		AC Power on/off	Primary line switch
AC In		AC Power inlet	At rear
Ground		Power ground terminal	
MAIN UNIT OPTION CARDS		Description	Notes
Model	Name		
KX-NS0110	VoIP DSP card (Small)		
KX-NS0111	VoIP DSP card (Med)	Expansion unit for CODEC resource. System requires at least one DSP	Max 2 units
KX-NS0112	VoIP DSP card (Large)		
KX-NS0135	Storage memory (Small)	Voice mail recording, 200 hours	
KX-NS0136	Storage memory (Medium)	Voice mail recording, 450 hours	Max 1 unit
KX-NS0137	Storage memory (Large)	Voice mail recording, 1000 hours	
KX-NS0106	Fax interface card	Super G3 fax server	Max 1 unit
KX-NS0161	Doorphone interface card	Doorphone Interface Sensor Interface Door Opener relay	Max 1 unit
TRUNK AND LINE CARDS			
KX-NS0180	2 port analogue trunk / 2 port SLT card	Support extension caller ID Power Failure Transfer port LCOT (RJ45 x 2), SLC (RJ45 x 1)	
KX-NS0280	4 port BRI / 2 port SLT card	4 ports BRI (8 channels) Supports extension caller ID S/T point is switchable (4 ports) BRI4 (RJ45 x 4), SLC (RJ45 x 1)	Max 1 unit
KX-NS0290	PRI30 / 2 port SLT card	PRI30 interface (1 port) Supports extension caller ID PRI (RJ45 x 1), SLC (RJ45 x 1)	
UNIFIED MESSAGING AND VOICEMAIL			
Number of Ports		Default: 2 channels, Max: 24 channels	Activation keys available for expansion
Recording Time		Default: 2 hours, Upgrade to 15 hours via activation key	Optional storage memory (SM) available for expansion
Number of Mailboxes		1024	
Maximum message length		1 – 60 mins (programmable), Unlimited for 2 way recording	
Personal Greeting Length		Default: 60s, Max: 360s	Programmable
Custom Service		Up to 200	
File Format (recording voice)		G.711	
Fax Server		Optional Fax Server card – 1 ch	
SUPPORTED TELEPHONE TERMINALS		Models	Description
IP-PT		NT300 series, NT265	IP Proprietary Telephone
IP Conference Phone		NT700	SIP conference Telephone
IP Cell Station		NCP0158	IP CS for DECT handsets
SIP Terminals		KX-UT136, KX-UT133, KX-UT123, KX-UT113	Backlit 6 line display, 24 flexible keys/ Backlit 3 line display, 24 flexible keys/ 3 line display, 2 ethernet ports/ 3 line display, 1 ethernet port