



KEY FEATURES

- Integrated Unified Messaging and Call Center Functionality
- Supports SIP/IP Phones, DECT Portables and IP Communication Cameras
- Multiple Device Support Per User via Single Number
- Hot Standby Redundancy
- Centralized Maintenance

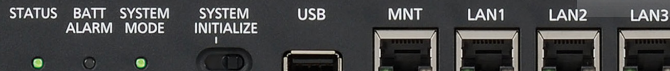
PANASONIC KX-NSX2000 BUSINESS COMMUNICATIONS SERVER

Panasonic's KX-NSX2000 is a next-generation, IP-based business communications server designed to support growing enterprises in need of a flexible solution. The platform offers advanced IP networking and vast scalability, managing up to 2,000 devices across 32 networked sites with multiple devices per extension. With centralized management and remote maintenance, the KX-NSX2000 system can be operated from a single location eliminating the need for an administrator at every site. Additional features include a built-in call center with advanced call routing, unified messaging, video communications, and redundancy. An ideal choice for industries needing real-time and reliable communications solutions such as customer service, sales or hospitality.

KX-NSX2000

Panasonic KX-NSX2000

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SYSTEM CAPACITY

MAXIMUM TRUNKS^{*1}

The PBX supports the following number of trunks.

TYPE	KX-NSX2000	
	STAND-ALONE	MULTI-CONNECTION
Total Number of Trunks	960	960
IP	960	960
SIP	960	960
H.323	256	256
Legacy	-	960
Analog (LCOT)	-	960
PRI23	-	960

MAXIMUM NUMBER OF END POINTS

TYPE	KX-NSX2000	
	STAND-ALONE	MULTI-CONNECTION
Extensions	2000	2000
Wired Device	2000	2000
IP Device	2000	2000
IP-PT (KX-NT300/ KX-NT500 Series) ^{*2} KX-HDV Series KX-TGP600	2000	2000
SIP phone (3rd Party)	2000	2000
Communication IP Camera / IP Video Doorphone ^{*3}	128	128
Legacy	-	2000
SLT	-	2000
DPT (DXDP ^{*4})	-	1024 (2000)
APT	-	640
DSS Console (KX-DT590/KX-DT390)	-	128
PS	1000	1000
Mobile Number in User Container	1600	1600
Add-on Key Module (KX-NT505)	128	128
Add-on Key Module (KX-NT303/KX-NT305)	2000	2000
CS	256	256
IP-CS	256	256
DPT-CS	-	256
Doorphone	-	124
Door Opener	-	124
External Sensor	-	124

HARDWARE SPECIFICATIONS

ITEMS	SPECIFICATIONS	
COM Express CPU Module	CPU	Intel ATOM E3845 (Quad core 1.91GHz)
	Memory	4GB DDR3L S0-DIMM
	Storage	SSD 8GB
	Main Card I/F	COM Express Type6 Interface
Main Card	COM Express I/F	COM Express Type6 Interface
	Network Interface	Gigabit Ethernet Port: 4 ports
	USB Interface	USB 2.0 (High speed) Host port: 1 port, Type A connector
	SSD Interface	SATA Generation2 Port: 2 ports
	MOH/EPG	Internal 8 Music on Hold, No External Paging Speaker, No External Music Source
	Option Card Interface	DSP Specified Slot: 2 slots Option Slot: 1 slot
Power Unit	AC Input	AC100V ~ 240V 50/60Hz
	DC Output	+15V, 2.5A Power Consumption 50W
Chassis	Dimension	19" Rack Mount (2U) - 430mm(W)×88mm(H)×340mm(D)
	Weight	13 lbs.
Regulatory	EMC	CISPR22 Class B
	Safety	EN60950, UL60950, IEC60950
	Telecommunications	n/a
	Installation Environment	-
Operating Temperature	-	32°F ~ 104°F (0°C ~ 40°C)
Operating Humidity	-	10% to 90% (non-condensing)

^{*1} The maximum trunks of an Expansion GW cannot exceed the capacity of the KX-NSX.

^{*2} The KX-NT300 series is not supported by the KX-NSX2000. It is only supported by expansion gateways in a multi connection system.

^{*3} Communication IP cameras and IP video doorphones are not counted in the number of users.

^{*4} When Digital XDP is used, the maximum number depends on the gateway system.

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HARDWARE OPTIONS

CARD	MODEL	DESCRIPTION	FUNCTIONAL SUMMARY	REMARKS
DSP-S	KX-NS0110	VOIP DSP-S Card	VOIP, DISA, Conference & Unified Messaging	Same as KX-NS1000
DSP-M	KX-NS0111	VOIP DSP-M Card	VOIP, DISA, Conference & Unified Messaging	Same as KX-NS1000
DSP-L	KX-NS0112	VOIP DSP-L Card	VOIP DISA, Conference & Unified Messaging	Same as KX-NS1000
SSD-S	KX-NSX2135	Storage Memory (S type)	VM recording time:200H	SSD memory
SSD-M	KX-NSX2136	Storage Memory (M type)	VM recording time:400H	SSD memory
SSD-L	KX-NSX2137	Storage Memory (L type)	VM recording time:800H	SSD memory
SSD-LL	KX-NSX2138	Storage Memory (LL type)	VM recording time:1600H	SSD memory
AC Cord	KX-A412	AC Power Cord	Optional AC power cord	Not included with the KX-NSX2000

SOFTWARE ACTIVATION KEYS

CATEGORY	DESCRIPTION	MODEL	FEATURE
Main	KX-NSX2000 System Activation Key	KX-NSX201	Activate KX-NSX2000 main features
Maintenance	Maintenance Annual Key	KX-NSX2201	Maintenance annual activation key (capturing packet trace/expanding system logs/software upgrade) included in 1st year
	Remote Maintenance Annual Key	KX-NSX6211	Remote maintenance annual activation key
User Concept	1-Normal User Concept Activation Key	KX-NSUN001W	Activate 1 normal user
	10-Normal User Concept Activation Key	KX-NSUN010W	Activate 10 normal users
	50-Normal User Concept Activation Key	KX-NSUN050W	Activate 50 normal users
	100-Normal User Concept Activation Key	KX-NSUN100W	Activate 100 normal users
	500-Normal User Concept Activation Key	KX-NSUN500W	Activate 500 normal users
	1-Mobile User Concept Activation Key	KX-NSUM001W	Activate 1 mobile user from normal user
	10-Mobile User Concept Activation Key	KX-NSUM010W	Activate 10 mobile users from normal users
	50-Mobile User Concept Activation Key	KX-NSUM050W	Activate 50 mobile users from normal users
	100-Mobile User Concept Activation Key	KX-NSUM100W	Activate 100 mobile users from normal users
	500-Mobile User Concept Activation Key	KX-NSUM500W	Activate 500 mobile users from normal users
	1-Advanced User Concept Activation Key	KX-NSUA001W	Activate 1 advanced user from mobile user
	10-Advanced User Concept Activation Key	KX-NSUA010W	Activate 10 advanced users from mobile users
	50-Advanced User Concept Activation Key	KX-NSUA050W	Activate 50 advanced users from mobile users
	100-Advanced User Concept Activation Key	KX-NSUA100W	Activate 100 advanced users from mobile users
	500-Advanced User Concept Activation Key	KX-NSUA500W	Activate 500 advanced users from mobile users
3rd Party SIP-Extension	1-Channel SIP Extension Activation Key	KX-NSXS001W	Activate 1 SIP phone for 3rd party
	10-Channel SIP Extension Activation Key	KX-NSXS010W	Activate 10 SIP phones for 3rd party
	50-Channel SIP Extension Activation Key	KX-NSXS050W	Activate 50 SIP phones for 3rd party
	100-Channel SIP Extension Activation Key	KX-NSXS100W	Activate 100 SIP phones for 3rd party
	500-Channel SIP Extension Activation Key	KX-NSXS500W	Activate 500 SIP phones for 3rd party
Panasonic Peripheral Device	1-Channel Peripheral Device Activation Key	KX-NSXN001W	Activate 1 communication camera/IP door phone
	10-Channel Peripheral Device Activation Key	KX-NSXN010W	Activate 10 communication cameras/IP door phones
Channel Expansion for IP-CS	1 IP-CS Channel Expansion Activation Key	KX-NSXE001W	Activate 1 IP-CS for expansion to 8ch distributed type of activation key
	10 IP-CS Channel Expansion Activation Key	KX-NSXE010W	Activate 10 IP-CS for expansion to 8ch distributed type of activation key
	50 IP-CS Channel Expansion Activation Key	KX-NSXE050W	Activate 50 IP-CS for expansion to 8ch distributed type of activation key
IP-Trunk	1-Channel IP Trunk Activation Key	KX-NSXT001W	Activate 1ch H.323 IP-GW or 1ch SIP trunk
	10-Channel IP Trunk Activation Key	KX-NSXT010W	Activate 10ch H.323 IP-GW or 10ch SIP trunks
	50-Channel IP Trunk Activation Key	KX-NSXT050W	Activate 50ch H.323 IP-GW or 50ch SIP trunks
	100-Channel IP Trunk Activation Key	KX-NSXT100W	Activate 100ch H.323 IP-GW or 100ch SIP trunks
Unified Messaging	Activation Key for Message Backup	KX-NSXU003W	UM message backup
	Activation Key for Two-way Recording	KX-NSXU004W	2 way recording (manager control)
Optional Features	Activation Key for Call Center	KX-NSXF002W	Built-in ACD report, announcement of waiting number for queuing
	Activation Key for Queue Announcement	KX-NSXF021W	Announcement of waiting number for queuing
	Activation Key for Built-in ACD report	KX-NSXF022W	Built-in ACD report
	Activation Key for Multiple CSTA Connection	KX-NSXF004W	Multiple CTI connection
	Activation Key for LDAP	KX-NSXF005W	Address book LDAP connection
	Activation Key for Expansion GW (Master)	KX-NSXF006W	Expansion GW connection for KX-NSX2000 (Master unit)
	Activation Key for Redundancy	KX-NSXF008W	Activate redundancy function
	Ultimate Activation Key	KX-NSXP101W	Activates all AKs except for: KX-NSX201NAW, KX-NSX2201, KX-NSX6211, KX-NSXxxxW & KX-NSXF007W