
KX-NS700G Quick Reference Guide

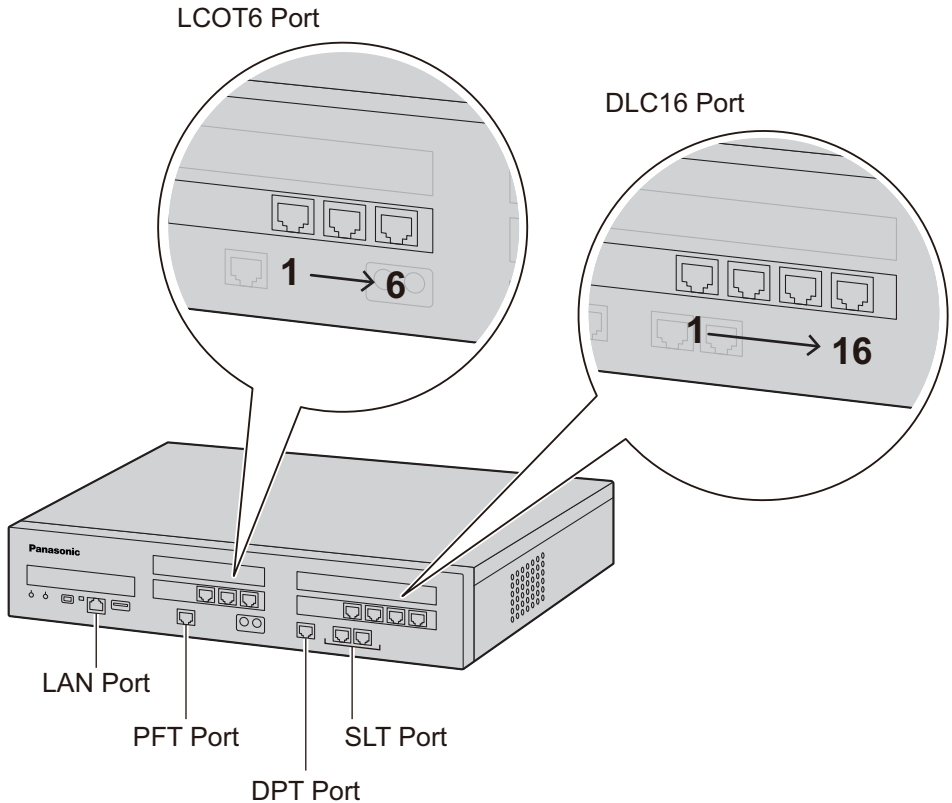
1. Introduction

Thank you for purchasing this Panasonic product.

Please read this guide before using this product.

See the KX-NS700 manuals for the full KX-NS700 details other than the KX-NS700G content written in this guide. For more information, refer to <http://www.panasonicpartnerportal.com/>

2. Overview



KX-NS700G: Front Side

Model No.	Model Name
KX-NS5180 (Pre-installed)	6-port Analog Trunk Card (LCOT6)
KX-NS5172 (Pre-installed)	16-port Digital Extension Card (DLC16)

Note

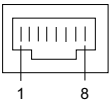
Refer to the KX-NS700 Installation manual for the description of optional cards other than the pre-installed cards.

KX-NS700G has pre-installed ports (CO lines, extensions, UM) and mailboxes as follows:

Pre-installed		Number
CO Line		6 ports
Extension	DPT	18 ports
	SLT	4 ports
	IPPT	4 ports
Unified Message		2 ports
Mailbox		500 mailboxes

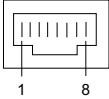
Pin assignment of KX-NS700G as below:

LAN Port (10BASE-T/100BASE-T)

	No.	Signal Name	Input (I)/Output (O)	Function
	1	TPO+	O	Transmit data +
	2	TPO-	O	Transmit data -
	3	TPI+	I	Receive data +
	4-5	Reserved	-	-
	6	TPI-	I	Receive data -
	7-8	Reserved	-	-

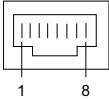
User supplied (not included): CAT 5 or higher Cable.

DPT Port

	No.	Signal Name	Function
	1	D1 A	Data port 1 (Low)
	2	D2 A	Data port 1 (High)
	3	D1 B	Data port 2 (Low)
	4	Reserved	–
	5	Reserved	–
	6	D2 B	Data port 2 (High)
	7	Reserved	–
	8	Reserved	–

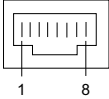
User supplied (not included): RJ45 connector, Twisted pair cable.

SLT Port

	No.	Signal Name	Function
	1	TA	Tip port 1
	2	RA	Ring port 1
	3	Reserved	–
	4	Reserved	–
	5	Reserved	–
	6	Reserved	–
	7	TB	Tip port 2
	8	RB	Ring port 2

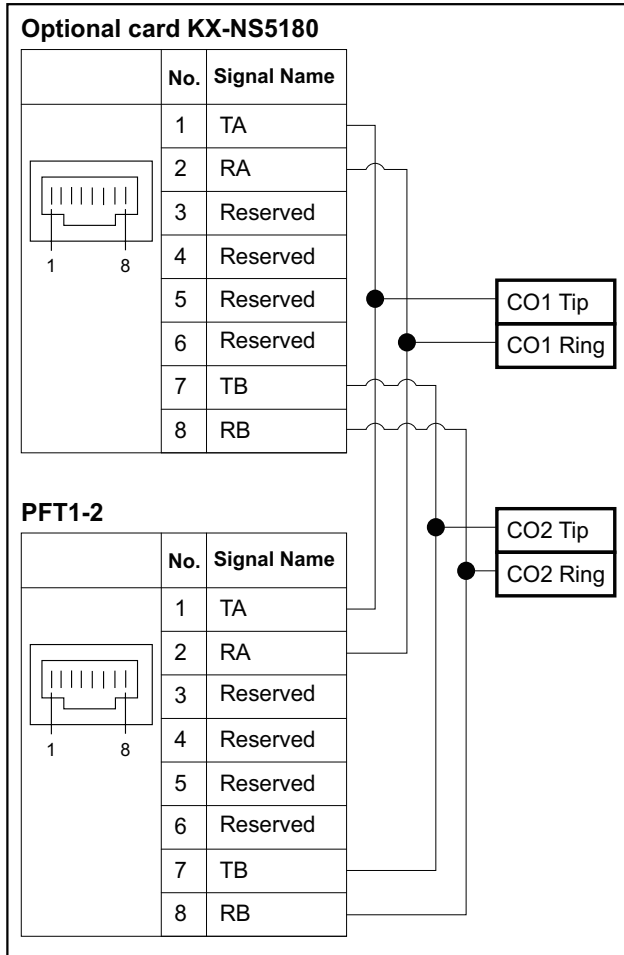
User supplied (not included): RJ45 connector, Twisted pair cable.

DLC16 PORT

	No.	Signal Name	Function
	1	D1A	Data port 1 (Low)
	2	D2A	Data port 1 (High)
	3	D1B	Data port 2 (Low)
	4	D1C	Data port 3 (Low)
	5	D2C	Data port 3 (High)
	6	D2B	Data port 2 (High)
	7	D1D	Data port 4 (Low)
	8	D2D	Data port 4 (High)

User supplied (not included): RJ45 connector, Twisted pair cable.

PFT PORT/LCOT6 PORT



Note

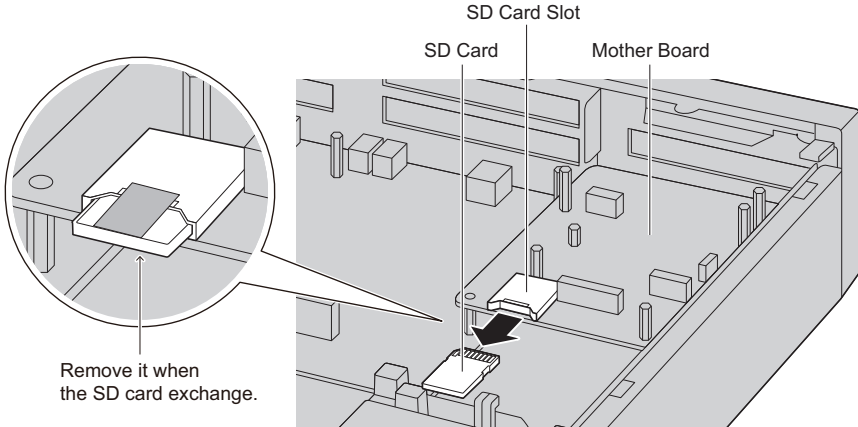
The connector consists of multiple lines for the extensions/CO lines. Therefore, each RJ45 cable needs to be connected to the necessary port and divided for the appropriate extensions/CO lines. For more information, consult your Dealer.

3. System Components

The following cards and activation keys are installed:

Model No.	Model Name
KX-NS5110	VoIP DSP Card (S Type) (DSP S)
KX-NS7134	SD Memory Card (XS Type) (SD Memory XS)

The SD card is sealed to at the factory so that it does not fall off during transportation. If you need to exchange the SD card, remove the seal before exchanging.



Model No.	Activation Key Type	Description
KX-NSM501W	1 (x4) IP PT/SIP-MLT/ P-SIP	Allows the use of 1 (x4) IP-PT/KX-UT series SIP phone/P-SIP Extension. This activation key is preinstalled for 4 IP channels.

Other equipment and activation keys are available as the options:

Model No.	Model Name
KX-NS5162	DOOR PHONE INTERFACE CARD (DPH2)
KX-NS5180W	6-PORT ANALOG TRUNK CARD (LCOT6)
KX-NS5290	PRI23 TRUNK CARD (PRI23)
KX-A247X	WALL MOUNT KIT
KX-NS0154	DECT 4-CHANNEL IP CELL STATION UNIT

Model No.	Model Name
KX-NSE201W	ACTIVATE 1 IP-CS FOR EXPANSION TO 8-CHANNEL
KX-NSE205W	ACTIVATE 5 IP-CS FOR EXPANSION TO 8-CHANNEL
KX-NSE210W	ACTIVATE 10 IP-CS FOR EXPANSION TO 8-CHANNEL
KX-NSE220W	ACTIVATE 20 IP-CS FOR EXPANSION TO 8-CHANNEL
KX-NCP0158	8-CHANNEL DECT CELL STATION AND INTERFACE CARD (IP)
KX-A421	OPTIONAL POWER SUPPLY (PSLP1662) FOR THE KX-NCP0158 CELL STATION
KX-NSA010W	COMMUNICATION ASSISTANT—THIN CLIENT LICENSE
KX-NSA020W	CTI—CSTA MULTIPLEXOR LICENSE
KX-NSA2XXW	COMMUNICATION ASSISTANT PRO
KX-NSA301W	COMMUNICATION ASSISTANT ICD SUPERVISOR
KX-NSA401W	COMMUNICATION ASSISTANT OPERATOR CONSOLE
KX-NSA9XXW	COMMUNICATION ASSISTANT QSIG NETWORK PLUG-IN
KX-NSE1XXW	ACTIVATION KEY FOR MOBILE EXTENSION
KX-NSF101W	CTI—3RD PARTY CTI
KX-NSM1XXW	IP TRUNK ACTIVATION KEY
KX-NSN002W	Q-SIG NETWORKING (PER SYSTEM)
KX-NSF201W	CALL CENTER FEATURE ENHANCEMENT
KX-NSU002W	AUTOMATIC 2-WAY RECORDING CONTROL—MANAGER
KX-NSU003W	BACK-UP RECORDING DATA
KX-NSU102W	2-CHANNEL VOICEMAIL (UM)
KX-NSU104W	4-CHANNEL VOICEMAIL (UM)
KX-NSU3XXW	MANUAL 2-WAY RECORDING

Refer to the Installation manual for the details. Other KX-NS700 equipment and activation keys not listed here will not operate with the KX-NS700G even if they are successfully installed.

4. The specification differences between KX-NS700G and KX-NS700

4.1 System Capacity

- KX-NS700G limits number of extensions from original NS700 and other resources, such as trunks, are not limited.

Maximum number of extensions is as follows,

Extension type	Maximum number
DPTs	18
SLTs	4
IP-PTs	4

- The KX-NS700G capacities can be expanded to the same as the KX-NS700 by installing “Activation Key to release KX-NS700G capacity limitation” (KX-NSF999W).

Note

- KX-NSF999W is a new activation key and a dedicated activation key for the KX-NS700G.
- The KX-NSF999W has to be preinstalled before activating any KX-NS700 optional equipment or activation keys other than those listed above.

Following table shows system capacity

	Pre Install	Max. without KX-NSF999W	Max. with KX-NSF999W
CO line (ch)	6	102	
Legacy	6	38 (30+8)	
LCOT	6	12	
PRI23	0	23	
IP	0	64	
SIP	0	64	
H.323	0	32	
Extension (ch)	22	26	166
Legacy	22	22	38
SLT	4	4	36 (32+4)
DPT	18	18	34 (32+2)
APT	0	0	8
IP	0 (4 IP-PT AK)	4	32/128 ²
IP-PT	0 (4 IP-PT AK)	4	32/128 ²
SIP	0 (4 IP-PT AK)	4	32/128 ²
P-SIP ¹	0 (4 IP-PT AK)	4	32/128 ²
SIP Phone	0	0	32/128 ²
KX-UT series	0 (4 IP-PT AK)	4	32/128 ²
CS (pcs)	0	24	
DPT-CS (2ch)	0	8	
DPT-CS (8ch)	0	4	
IP-CS (8ch)	0	16	
New IP-CS (4ch/8ch)	0	32	
SIP-CS	0	16	

	Pre Install	Max. without KX-NSF999W	Max. with KX-NSF999W
PS (DECT) (pcs)	128	128	
VM			
ESVM (ch)	2	2	
Built-in UM (ch)	2	24	
TVM unit	2	2	
Door phone	0	2	
Door phone	0	2	
Door opener	0	2	
Sensor	0	2	
PFT	2	2	
	(2)	2	
MOH / BGM	(2)	2	
EPG	(2)	2	

*1 KX-HDV series, KX-NTV series, KX-TGP600

*2 In case that IP extensions are over 32 or connecting to KX-NS720, "Expansion Capacity Activation key" (KX-NSF991W) is required.

4.2 System Resource Capacity

The System Resource Capacity is the same as KX-NS700 even if “Activation Key to release NS700G capacity limitation” (KX-NSF999W) is not installed. See the KX-NS700 manuals for System Resource Capacity details.

4.3 Programming

- The KX-NS700G does not support the database conversion from legacy PBX (ex. KX-TDA50, KX-TDE series, and KX-NCP series).

