NCP500/1000

Command Vehicle IP Converged PBX with "Multipath"

KX-NCP1000

KX-NCP500

Panasonic ideas for life

The KX-NCP Series Network Communication Platform is perfect for today's modern Emergency Command Vehicles requiring multiple methods of connecting to the world.

In an emergency, you cannot always count on phone lines being available.

NCP lets you connect to the rest of world with such trunking options as ISDN-PRI, T1, POTS, H.323 or SIP. V-SAT and Cellular are also compatible when using analog third party interfaces.

Mix and match phone types using Digital, Analog, VoIP, Personal Cellular, Integrated Wireless or Single Line. NCP can even support Soft PC Phones!

Some of the major NCP Vehicular features include:

- Multipath Compatible – a Command Vehicle MUST-HAVE!
- Vehicle-to-Vehicle Gateway Chaining Services
- Scalable Local, State, Federal or Global NCP Clustering
- Single Point of Support provided by Panasonic.KX-TD.com
- Remotely Upgradeable to Future Software Releases
- Proprietary Cellular Phones for Communications Outside of Vehicle
- Door Phones allow Emergency Personnel to stay Safely Inside of Vehicle
- IP Phones for In-Vehicle and Off-Premise use
- Desktop Application Software

OPTIONS LIST

CATAGORY	PART NO.	SKU	DESCRIPTION
Main CPU	Built-in	IPCMPR	IP Converged Main Processing Card
Mandatory Card	KX-TDA0196	IRMU	Internal Remote Maintenance Unit for KX-TD.com Maintenance & Upgrades
IPCMPR Option Cards	KX-NCP1104	DSP4	4-Channel Digital Signal Processing Card (See Note 1 Below)
	KX-TDE0110	DSP16	16-Channel Digital Signal Processing Card (See Note 1 Below)
	KX-TDE0111	DSP64	64-Channel Digital Signal Processing Card (See Note 2 Below)
Activation Keys	KX-NCS3910	KENH	Activation Key for Software Upgrade to Enhanced Version
	KX-NCS3501	KPIP01	Activation Key for 1 Proprietary IP Telephone
	KX-NCS3504	KPIP04	Activation Key for 4 Proprietary IP Telephones
	KX-NCS3508	KPIP08	Activation Key for 8 Proprietary IP Telephones
	KX-NCS3516	KSIP16	Activation Key for 16 Proprietary IP Telephones
	KX-NCS3701	KSIP01	Activation Key for 1 SIP Telephone
	KX-NCS3704	KSIP04	Activation Key for 4 SIP Telephones
	KX-NCS3708	KSIP08	Activation Key for 8 SIP Telephones
	KX-NCS3716	KSIP16	Activation Key for 16 SIP Telephones
	KX-NCS3102	KGW02	Activation Key for 2-Channel SIP Trunk or 2-Channel H.323 IP Gateway
	KX-NCS3104	KGW04	Activation Key for 4-Channel SIP Trunk or 4-Channel H.323 IP Gateway
	KX-NCS3201	KSP01	Activation Key for 1 Soft Phone or 1 Proprietary IP Telephone
	KX-NCS3204	KSP04	Activation Key for 4 Soft Phones or 4 Proprietary IP Telephones
	KX-NCS3208	KSP08	Activation Key for 8 Soft Phones or 8 Proprietary IP Telephones
	KX-NCS3216	KSP16	Activation Key for 16 Soft Phones or 16 Proprietary IP Telephones
	KX-NCS2101	KCAB01	Activation Key for Communications Assistant Basic - 1 User License
	KX-NCS2105	KCAB05	Activation Key for Communications Assistant Basic – 5 User License
	KX-NCS2110	KCAB10	Activation Key for Communications Assistant Basic – 10 User License
	KX-NCS2201	KCAP01	Activation Key for Communications Assistant Pro - 1 User License
	KX-NCS2205	KCAP05	Activation Key for Communications Assistant Pro - 5 User License
	KX-NCS2210	KCAP10	Activation Key for Communications Assistant Pro - 10 User License
	KX-NCS2301	KCAACD	Activation Key for Communications Assistant ACD Monitor - 1 User License
Small Slot Extension and Trunk Cards	KX-NCP1170	DHLC4	4-Port Digital and Analog Hybrid Extension Card
	KX-NCS1180	LCOT4	4-Port Analog Trunk Card with Caller-ID for POTS
	KX-NCP1290	PRI23	23-Channel ISDN Primary Rate Interface Card
Large Slot Extension, Trunk and Miscellaneous Cards	KX-NCP1171	DLC8	8-Port Digital Extension Card
	KX-NCP1172	DLC16	16-Port Digital Extension Card
	KX-NCP1173	SLC8	8-Port Analog Single Line Telephone Extension Card with onboard Caller-ID
	KX-NCP1174	SLC16	16-Port Analog Single Line Telephone Extension Card with onboard Caller-ID
	KX-NCP1187	DTI	24-Channel Direct T1 Interface Card
	KX-TDA0190	OPB3	Optional 3-Slot Base Card (Used to Accept Accessory Modules)
OPB3 Mounted Accessory Modules	KX-TDA0161	DPH4	4-Circuit Door Phone / Door Opener Controller Module
	KX-TDA0164	EIO4	4-Circuit External Input / External Output Sensor Module
	KX-TDA0166	ECHO16	16-Channel Echo Canceller Module
	KX-TDA0191	MSG4	4-Channel UCD/ACD/Wake-Up/DISA Message Module
	KX-TDA0194	SVM4	4-Channel Simplified Voice Message Module
Cell Stations	KX-TDA0141	CS2	2-Channel Cell Station – Non-DECT – without In-Use Lamp
	KX-TDA0151	CS2L	2-Channel Cell Station – Non-DECT – with In-Use Lamp
	KX-TDA0155	CS2DL	2-Channel Cell Station – DECT - with In-Use Lamp
	KX-TDA0158	CS8DL	8-Channel Cell Station – DECT - with In-Use Lamp
Other	KX-T30865	DPS	Door Phone Standard
	KX-T7765	DPD	Door Phone Deluxe

Note 1:   DSP4 and DSP16 include Activation Keys for 4 SIP Trunks or 4 H.323 IP Gateways and Activation Keys for 8 Proprietary IP Telephones.
Note 2:   DSP64 include Activation Keys for 16 SIP Trunks or 16 H.323 IP Gateways and Activation Keys for 32 Proprietary IP Telephones.

SYSTEM CAPACITY

CATAGORY	TYPE	KX-NCP500	KX-NCP1000
Extension	**Total Number of Extensions with DXDP Feature**	**68**	**108**
	Total Number of Extensions without DXDP Feature	**64**	**104**
	Maximum Digital Proprietary Telephones with DXDP Feature	24	40
	Maximum Digital Proprietary Telephones without DXDP Feature	20	36
	Maximum Analog Single Line Telephones	20	36
	Maximum IP Proprietary Telephones (IP-PT) – MPR	40	64
	Maximum SIP Telephones - MPR	32	64
Trunk	**Total Number of Trunks**	**72**	**96**
	Maximum SIP Trunks – MPR	8	32
	H.323 – MPR	8	32
	PSTN Analog Trunks (POTS)	12	16
	ISDN – Primary Rate Interface	46	46
	T1	48	48
Cell Phones	DECT or Non-DECT Wireless Handsets (Personal Cell Stations)	64	64
Cell Stations	DECT or Non-DECT Cell Stations using DPT Interface	4	8
	DECT High Density Cell Stations using DPT Interface	2	4

Extension Card Rules:
- The total number of small slot extension cards is 1 for both systems.
- The total number of large slot extension cards is 1 for NCP500 and 2 for NCP1000.

Trunk Card Rules:
- The total number trunks cards available using the small slots and large slots is 5.
- However, ISDN-PRI card and T1 card are counted as 2 slots. Example, using 2 ISDN-PRI cards would use 4 of the available 5 positions, thereby leaving only one spare slot for LCOT4

V-SAT and Cellular Trunking Notes:
- V-SAT and Cellular Trunking Connect to NCP POTS Circuits and require 3rd-Party Tip & Ring Interfaces.

Because of the inherent complexities of the KX-NCP500 and NCP1000 systems, online purchasing is not available.

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