

KX-NCP500
Network Communication Platform

The KX-NCP500 OneNet is an advanced communication solution designed to enable businesses to achieve Unified Communications by enhancing and streamlining office communications with presence enriched productivity applications.

The solution is ideal for up to 64 users, equipped with voicemail, digital and IP Telephone Support, Digital, IP Network Trunks and Applications.



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System Capacity

Extension

Total Number of Extensions	172.0
IP Proprietary Telephone (IP-PT)	128.0
Single Line Telephone (SLT)	36.0
Digital Proprietary Telephone (DPT) with DXDP	40.0

Trunk

Total Number of Trunks	128.0
PSTN Analogue Trunks	12.0
ISDN - BRI	12 (6BRI)
ISDN - PRI30	60 (2PRI)
PSTN and ISDN	64.0

PS

DECT Wireless Handsets	64.0
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CS

DECT Cell Station (DPTI/F)	21.0
High Density DECT Cell Station	16.0

Specifications

Control Bus	Original bus (16-bit, 8 MHz, 10 megabytes per second)
Communication Bus	H.100 bus conformity (1024 time slots)
Power Input	100 V AC to 130 V AC; 1.0 A 200 V AC to 240 V AC; 0.5 A 50 Hz/60 Hz
Power Consumption	47 W
Maximum Power Failure Tolerance	300 ms
Memory Backup Duration	7 years

Dialling

Trunk	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling
Extension	Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling
Mode Conversion	DP-DTMF, DTMF-DP
Ring Frequency	20 Hz/25Hz (Selectable)
Trunk Loop Limit	1600 Ohm Maximum

Operating Environment

Temperature (°C)	0-40 °C
Temperature (°F)	32-104 °F
Humidity (%)	10 - 90 % (non-condensing)
Conference Call Trunk	From 10 x 3-Party Conference Call to 4 x 8-Party Conference Call

Paging

Internal	Level Control: -6 dB to +3 dB steps in 3 dB steps
External	1 port (Volume Control: -15 dB to +6 dB in 3 dB steps)

RJ45 Port

MNT Port	1 (for PC connection)
LAN Port	1 (for LAN connection)

Connection Cable

Trunk	RJ45, BNC
Extension	RJ45
Paging Output	1 conductor jack
External Voice Input	1 conductor jack
PT-Interface CS	RJ45

Music on Hold

Number of Ports	1.0
Support for External Music Source	yes

Connectors

CO Line	RJ45, BCN
Station	RJ45
Paging Output	1 Conductor Jack
External Voice Output	1 Conductor Jack
RS232CSMDR Outputs	RS232, LAN
USB Ports	no
Ethernet RJ45	yes

Features

System

Tenant	8.0
Class of Service	64.0
Trunk Group	64.0
Paging Group	32.0
Call Pickup Group	64.0
Incoming Call Distribution (ICD) Group	128 (32 extensions/group)
Portable station (PS) Ring Group	32.0
Voice Mail (DPT) Group	2 groups x 12 ports (24 channels)
Queuing Time Table	64.0
Idle Extension Hunting Group	64 (16 extensions/group)
Absent Message Extension	1 x 16 characters
Absent Message System	8 x 16 characters
Message Waiting - PT + SLT	512.0
Number of the characters of Name	20.0
Extension Number Digits	10 digits, 1 entry/extension
Call Park Zone	100.0
Conference	3-8 parties per conference (32 parties total)
Special Carrier Code	16 digits, 20 entries
Verified Code	4 digits, 1,000 entries
Verified Code Personal Identification Number (PIN)	10 digits, 1,000 entries
Host PBX Access Code	10 digits, 10 entries/trunk group
DDI/DID Table	32 digits, 1,000 entries
Station Message Detailed Recording (SMDR) Call Storage	200 calls

Dialling

Emergency Call	32 digits, 10 entries
Quick Dialling	8 digits, 4,080 entries
System Speed Dialling	32 digits, 1,000 entries/tenant

Personal Speed Dialling	32 digits, 100 entries/extn.
One-Touch Dialling	32 digits
Hot Line	32 digits
Key Pad Protocol Dial (ISDN Service Access)	32 digits
Redial	32 digits

Toll Restriction / Barring

Toll Restriction/Barring Level	7.0
Toll Restriction /Barring Denied Code	16 digits, 100 entries/level
Toll Restriction /Barring Exception Code	16 digits, 100 entries/level

Automatic Route Selection (ARS)

Routing Plan Table	16 entries
Leading Number Table	16 digits, 1,000 entries
Leading Number Exception Table	16 digits, 200 entries
ARS Carrier	10.0
Itemised Billing Code	10 digits
Authorisation Code	10 digits

Call Log

Outgoing Call Log - PT	100 records/extn. 1,520 records/system
Outgoing Call Log - PS	100 records/extn. 640 records/system
Incoming Call Log	100 records/extn. 3,040 records/system

Networking

TIE Routing Table	32 entries
Leading Number	3 digits
PBX Code	7 digits

Password

System Password for Administrator - PC Programming	4 - 10 characters
System Password for User - PC Programming	4 - 10 characters
System Password for User - PT Programming	4 - 10 digits
System Password for Administrator - PT Programming	4 - 10 digits
Manager Password	4 - 10 digits
Extension Personal Identification Number (PIN)	1 - 5 digits (1 - 4 digits for PSs, 2 - 4 digits for extensions which have a VM (DPT) mailbox)

General Data

Dimensions (mm)

Width 430mm

Height 86mm

Depth 340mm

Weight (when fully mounted) 6.5kg

