

**KX-TDE100**  
Pure IP-PBX

The KX-TDE100 Pure IP PBX is an advanced corporate communication system providing IP telephony features and functionalities over both local and broadband IP networks. Empowered with the latest SIP technology and packed with extensive productivity applications, the KX-TDE600 IP-PBX is designed for a medium to large business up to 256 users.



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**System Capacity**

<b>Total Number of Extensions</b>	256.0
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**Extensions (MPR)**

<b>IP Proprietary Telephone (IP-PT) and Ip Softphone</b>	64.0
<b>IP Single Line Telephone (IP-SLT)</b>	128.0

**Extensions (Free Slot)**

<b>IP Proprietary Telephone (IP-PT)</b>	96.0
<b>Single Line (a/b) Telephone (SLT)</b>	96.0
<b>Digital Proprietary Telephone (DPT) (Type 1)</b>	128.0
<b>Digital Proprietary Telephone (DPT) (Type 2)</b>	32.0
<b>Analogue Proprietary Telephone (APT)</b>	24.0
<b>Direct Station Select (DSS) Console</b>	8.0
<b>Voice Processing System (VPS)</b>	2.0
<b>Total System Trunk Ports</b>	128.0

### Trunks (MPR)

<b>VoIP Channel Card - DSP16</b>	32.0
<b>VoIP Channel Card - DSP64</b>	32.0

### Trunks (Free Slot)

<b>Analogue Trunk</b>	96.0
<b>ISDN Trunk</b>	96 (48 BRI) 120 (4 PRI)
<b>IP-Gateway</b>	64

### Wireless

<b>Portable Station (PS)</b>	128.0
<b>Cell Station (CS)</b>	32.0

### Music on Hold

<b>Number of Ports</b>	2.0
<b>Support for External Music Source</b>	yes

### Connectors

<b>CO Line</b>	Amphenol Connector
<b>Station</b>	Amphenol Connector
<b>Paging Output</b>	2 conductor jack
<b>External Voice Output</b>	2 conductor jack
<b>RS232CSMDR Outputs</b>	1port (115.2kbps)
<b>Ethernet RJ45</b>	2 ports

### Features

#### System

<b>Tenant</b>	8.0
<b>Class of Service</b>	64.0
<b>Trunk Group</b>	64.0
<b>User Group</b>	32.0
<b>Paging Group</b>	32.0
<b>Call Pickup Group</b>	64.0
<b>Incoming Call Distribution (ICD) Group</b>	128 (32 extensions per group)
<b>Portable station (PS) Ring Group</b>	32.0
<b>Voice Mail (DPT) Group</b>	2 units x 24 ch
<b>Queuing Time Table</b>	64.0
<b>Idle Extension Hunting Group</b>	64 (16 extensions / group)
<b>Absent Message (System / Extension)</b>	8 message x 16 characters per system, 1 message x 16 characters per extension

Message Waiting	512.0
Number of the characters of Name	20.0
Extension Number Digits	1 - 4 digits
Call Park Zone	100.0
Conference	3x10 - 8x4
Special Carrier Code	16 digits, 20 entries
Verified Code	4 digits x 1000 entries
Host PBX Access Code	10 digits (10 entries / trunk group)
DDI/DID Table	32 digits (1000 entries)
Station Message Detailed Recording (SMDR) Call Storage	1000 calls w/o EMEC card, 4000 calls w EMEC card
External Paging	yes
Internal Paging (Zone Paging)	yes
SIP Support	Supports SIP 2.0. RFC3261 (UDP), RFC3262 (PRACK), RFC3262 (Offer/Answer), RFC3311 (UPDATE), RFC4028 (Session Timer)

## Power Voltage

AC (V)	AC100V ~ 130V / 200V ~ 240V (No switch)
Hz	50 / 60 Hz
External Battery	+36V (+12V x 3), Built-in interface
Memory Back-up Duration (years)	7.0

## Dialling

Extension DP (pps)	10pps, 20pps
CO-DP (pps)	10pps, 20pps
DTMF	yes
Emergency Call	32 digits, 10 entries
Quick Dialling	8 digits, 4080 entries
Personal Speed Dialling	32 digits, 100 entries per extension
One-Touch Dialling	32 digits
Hot Line	32 digits
Key Pad Protocol Dial (ISDN Service Access)	32 digits
Redial	32 digits

## Automatic Route Selection (ARS)

Routing Plan Table	16 entries
Leading Number Table	16 digits, 1000 entries
Leading Number Exception Table	16 digits, 200 entries
ARS Carrier	10.0
Itemised Billing Code	10 digits
Authorisation Code	10 digits

## Call Log

<b>Outgoing Call Log</b>	100 logs per extension
<b>Incoming Call Log</b>	100 logs per extension

## Voice Mail

<b>Max Number of VPS Systems</b>	2.0
<b>Max Number of VPS Channels</b>	2 x 24 ch

## Networking

<b>TIE Routing Table</b>	32 entries
<b>Leading Number</b>	3 digits
<b>PBX Code</b>	7 digits

## Password

<b>System Password for Administrator</b>	4-10 digits
<b>System Password for User</b>	4-10 digits
<b>Manager Password</b>	4-10 digits
<b>Extension Personal Identification Number (PIN)</b>	10 digits / extension

## Mode Conversion

<b>DP-DTMF</b>	yes
<b>DTMF-DP</b>	yes
<b>Ring Frequency (selectable (Hz))</b>	20 /25 Hz (Selectable)
<b>Trunk Loop Limit (ohms (Max))</b>	1600.0

## Operating Environment

<b>Temperature (°C)</b>	0-40 °C
<b>Temperature (°F)</b>	32-104 °F
<b>Humidity (%)</b>	10 - 90 %

## General Data

### Dimensions (mm)

<b>Width</b>	334.0
<b>Height</b>	390.0
<b>Depth</b>	272.0
<b>Weight (when fully mounted)</b>	Under 12 Kg (Fully configured)