

## KX-TDE600

Pure IP-PBX

The KX-TDE600 Pure IP PBX is an advanced corporate communication systems 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 1100 users.



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### System Capacity

#### Telephone

**KX-DT300, KX-T7600 Digital Proprietary Telephones (DPT)** 640.0

**External Relay** 64.0

**External Sensor** 64.0

**Door Opener** 64.0

**Doorphone** 64.0

**Voice Processing System (VPS)** 8.0

**Portable Station (PS)** 512.0

**IP DECT Cell Station** 16.0

**High Density CS** 64.0

**Basic Cell Station (CS)** 128.0

**DSS Console** 64.0

**SIP Extension** 128.0

**IP-PT\*3 (Supported by IPCMPR card)** 128.0

**IP-PT\*2 (Supported by IP-EXT16 card)** 640.0

**IP-PT** 672.0

**Analogue Proprietary Telephone (APT)** 320.0

Other DPT	512.0
KX-T7560/KX-T7565 DPT	640.0
Single Line Telephone (SLT)	960.0
Total Number of Extensions	1152.0

## Extensions (MPR)

SIP Extension	128.0
Extension (Virtual Extension Card*1)	128.0
Extension (Physical Extension Card)	1120.0
IP Proprietary Telephone (IP-PT) and Ip Softphone	128.0

## Extensions (Free Slot)

IP Proprietary Telephone (IP-PT)	64.0
Single Line (a/b) Telephone (SLT)	960.0
Digital Proprietary Telephone (DPT) (Type 1)	640.0
Digital Proprietary Telephone (DPT) (Type 2)	640.0
Analogue Proprietary Telephone (APT)	320.0
Direct Station Select (DSS) Console	8.0
Voice Processing System (VPS)	2.0
Total System Trunk Ports	128.0

## Trunks (MPR)

Trunk (Physical Trunk Card)	640.0
Total Number of Trunks	640.0
VoIP Channel Card - DSP16	32.0
VoIP Channel Card - DSP64	32.0
Trunk (Virtual Trunk Card*1)	64.0

## Trunks (Free Slot)

Analogue Trunk	128.0
IP-Gateway	64

## Wireless

Portable Station (PS)	128.0
Cell Station (CS)	32.0

## Music on Hold

Number of Ports	2.0
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## Support for External Music Source

### 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/group)
<b>Portable station (PS) Ring Group</b>	32.0
<b>Voice Mail (DPT) Group</b>	2 groups x 12 ports (24 channels)
<b>Voice Mail (DTMF) Group</b>	2 groups x 32 channels
<b>Queuing Time Table</b>	64.0
<b>Idle Extension Hunting Group</b>	64 (16 extension/group)
<b>Absent Message System</b>	8 x 16 characters
<b>Absent Message Extension</b>	1 x 16 characters
<b>Absent Message (System / Extension)</b>	8 x 16 characters
<b>Message Waiting</b>	512.0
<b>Number of the characters of Name</b>	20.0
<b>Extension Number Digits</b>	1 - 5 digits (1 - 4 digits for PSs, 2 - 4 digits for extensions which have a VM (DPT) mailbox)
<b>Call Park Zone</b>	100.0
<b>Conference</b>	3 - 8 parties per conference (32 parties total)
<b>Special Carrier Code</b>	16 digits, 20 entries
<b>Verified Code</b>	4 digits, 1000 entries
<b>Verified Code Personal Identification Number (PIN)</b>	10 digits, 1000 entries
<b>Verified Code Personal Identification Number (PIN)</b>	10 digits, 1000 entries
<b>Host PBX Access Code</b>	10 digits, 10 entries/trunk group

<b>DDI/DID Table</b>	32 digits, 1000 entries
<b>Station Message Detailed Recording (SMDR) Call Storage</b>	1000 calls/20,000 with MEC
<b>External Paging</b>	yes
<b>Internal Paging (Zone Paging)</b>	yes
<b>SIP Support</b>	Supports SIP 2.0. RFC3261 (UDP), RFC3262 (PRACK), RFC3262 (Offer/Answer), RFC3311 (UPDATE), RFC4028 (Session Timer)

## Power Voltage

<b>AC (V)</b>	100V AC to 130V AC / 200V AC ~ 240V AC
<b>Hz</b>	50 Hz/60 Hz
<b>External Battery</b>	+36V DC (+12V DC x 3, recommended maximum capacity is 28 Ah)
<b>Memory Back-up Duration (years)</b>	7.0

## Dialling

<b>Extension DP (pps)</b>	10pps, 20pps
<b>Extesion DP (pps)</b>	10pps, 20pps
<b>CO-DP (pps)</b>	10pps, 20pps
<b>DTMF</b>	yes
<b>Emergency Call</b>	32 digits, 10 entries
<b>Quick Dialling</b>	8 digits, 4080 entries
<b>System Speed Dialling</b>	32 digits, 1,000 entries/tenant
<b>Personal Speed Dialling</b>	32 digits, 100entries/extn
<b>One-Touch Dialling</b>	32 digits
<b>Hot Line</b>	32 digits
<b>Key Pad Protocol Dial (ISDN Service Access)</b>	32 digits
<b>Redial</b>	32 digits

## Toll Restriction / Barring

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

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<b>Toll Restriction /Barring Denied Code</b>	16 digits, 100 entries/level
<b>Toll Restriction /Barring Exception Code</b>	16 digits, 100 entries/level

## Automatic Route Selection (ARS)

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

## Call Log

<b>Outgoing Call Log</b>	100 records/extn. 1,520 records/system
<b>Outgoing Call Log - PS</b>	100 records/extn. 640 records/system
<b>Incoming Call Log</b>	100 records/extn. 3,040 records/system
<b>Incoming Call Log - PS + Incoming Call Distribution Group</b>	100 records/extn. Or group Total 2,048 records/system

## Voice Mail

<b>Max Number of VPS Systems</b>	8.0
<b>Max Number of VPS Channels</b>	8 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 User - PT Programming</b>	4 - 10 Digits
<b>System Password for Administrator - PT Programming</b>	4 - 10 Digits
<b>System Password for User - PC Programming</b>	4 - 10 characters
<b>System Password for Administrator - PC Programming</b>	4 - 10 characters
<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, 1 entry/extension

## Mode Conversion

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

## Operating Environment

Temperature (°C)	0-40 °C
Temperature (°F)	32-104 °F
Humidity (%)	10 - 90 % (non-condensing)
Free Slot style Can be accommo-yes dated into 19 Rack	

## General Data

### Dimensions (mm)

Width	430.0
Height	415.0
Depth	270.0
Weight (when fully mounted)	16kg