

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

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

Features

System

Tenant	8.0
Class of Service	64.0
Trunk Group	64.0
User Group	32.0
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)
Voice Mail (DTMF) Group	2 groups x 32 channels
Queuing Time Table	64.0
Idle Extension Hunting Group	64 (16 extension/group)
Absent Message System	8 x 16 characters
Absent Message Extension	1 x 16 characters
Absent Message (System / Extension)	8 x 16 characters
Message Waiting	512.0
Number of the characters of Name	20.0
Extension Number Digits	1 - 5 digits (1 - 4 digits for PSs, 2 - 4 digits for extensions which have a VM (DPT) mailbox)
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, 1000 entries
Verified Code Personal Identification Number (PIN)	10 digits, 1000 entries
Verified Code Personal Identification Number (PIN)	10 digits, 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/20,000 with MEC
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)	100V AC to 130V AC / 200V AC ~ 240V AC
Hz	50 Hz/60 Hz
External Battery	+36V DC (+12V DC x 3, recommended maximum capacity is 28 Ah)
Memory Back-up Duration (years)	7.0

Dialling

Extension DP (pps)	10pps, 20pps
Extesion DP (pps)	10pps, 20pps
CO-DP (pps)	10pps, 20pps
DTMF	yes
Emergency Call	32 digits, 10 entries
Quick Dialling	8 digits, 4080 entries
System Speed Dialling	32 digits, 1,000 entries/tenant
Personal Speed Dialling	32 digits, 100entries/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 Exception Code	16 digits, 100 entries/level
Toll Restriction /Barring Denied Code	16 digits, 100 entries/level
Toll Restriction/Barring Level	7.0

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
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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

Outgoing Call Log	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
Incoming Call Log - PS + Incoming Call Distribution Group	100 records/extn. Or group Total 2,048 records/system

Voice Mail

Max Number of VPS Systems	8.0
Max Number of VPS Channels	8 x 24 ch

Networking

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

Password

System Password for User - PT Programming	4 - 10 Digits
System Password for Administrator - PT Programming	4 - 10 Digits
System Password for User - PC Programming	4 - 10 characters
System Password for Administrator - PC Programming	4 - 10 characters
System Password for Administrator	4-10 digits
System Password for User	4-10 digits
Manager Password	4 - 10 Digits
Extension Personal Identification Number (PIN)	10 Digits, 1 entry/extension

Mode Conversion

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