

**KX-TDE600**  
Pure IP-PBX

The KX-TDE600 OneNet 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 OneNet IP-PBX is designed for a medium to large business up to 1100 users.



The KX-TDE600 OneNet Pure IP PBX is an advanced corporate communication systems providing IP telephony features and functionalities over both local and broadband IP networks.

**System Capacity**

**Total Number of Extensions**

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

**Extensions (MPR)**

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

**Extensions (Free Slot)**

<b>IP Proprietary Telephone (IP-PT)</b>	64.0
<b>Single Line (a/b) Telephone (SLT)</b>	960.0
	640.0

## Digital Proprietary Telephone (DPT) (Type 1)

Digital Proprietary Telephone (DPT) (Type 2)	640.0
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Analogue Proprietary Telephone (APT)	320.0
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Direct Station Select (DSS) Console	8.0
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Voice Processing System (VPS)	2.0
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Total System Trunk Ports	128.0
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## Trunks (MPR)

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

Analogue Trunk	128.0
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IP-Gateway	64
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## Wireless

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

Single Line Telephone (SLT)	960.0
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KX-DT300, KX-T7600 Digital Proprietary Telephones (DPT)	640.0
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External Relay	64.0
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External Sensor	64.0
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Door Opener	64.0
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Doorphone	64.0
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Voice Processing System (VPS)	8.0
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Portable Station (PS)	512.0
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IP DECT Cell Station	16.0
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High Density CS	64.0
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Basic Cell Station (CS)	128.0
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DSS Console	64.0
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SIP Extension	128.0
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IP-PT*3 (Supported by IPCMPR card)	128.0
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IP-PT*2 (Supported by IP-EXT16 card)	640.0
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IP-PT	704.0
Analogue Proprietary Telephone (APT)	320.0
Other DPT	512.0
KX-T7560/KX-T7565 DPT	640.0

### Music on Hold

Number of Ports	2.0
Support for External Music Source	yes

### 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)
Queuing Time Table	64.0
Idle Extension Hunting Group	64 (16 extension/group)
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

<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>Voice Mail (DTMF) Group</b>	2 groups x 32 channels
<b>Absent Message System</b>	8 x 16 characters
<b>Absent Message Extension</b>	1 x 16 characters
<b>Verified Code Personal Identification Number (PIN)</b>	10 digits, 1000 entries
<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>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
<b>Extension DP (pps)</b>	10pps, 20pps

## Toll Restriction / Barring

<b>Toll Restriction/Barring Level</b>	7.0
<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
<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 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
<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

### 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

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

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**Free Slot style Can be accommo-yes  
dated into 19 Rack**

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## General Data

### Dimensions (mm)

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<b>Width</b>	430.0
<b>Height</b>	415.0
<b>Depth</b>	270.0
<b>Weight (when fully mounted)</b>	16kg

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## Toll Restriction / Barring

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<b>Toll Restriction /Barring Excepti- on 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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