TDS SERIES

HYBRID IP
COMMUNICATION
SYSTEM

TransTel
COMMUNICATIONS INC

40 to 1280 PORTS

Business & Lodging Solutions

Trust   Integrity   Innovation

TDS SERIES HYBRID IP COMMUNICATION SYSTEM
The platform for advanced solutions

The TransTel TDS Series is a feature rich telecommunications platform that has the ability to meet today's needs and the flexibility to grow with your business into the future. A TDS system can accommodate from as few as 10 to more than 1,000 users by adding components to the system as required.

The TDS Series easily incorporates traditional telecommunications needs while also offering advanced interfaces for applications like Voice over IP (VoIP) SIP trunking and VoIP Remote Teleworker for continuity within your business structure.

You may use the TDS Series to seamlessly bring multiple locations together via VoIP networking. Multiple sites can dial each other directly through your own private network. You may also integrate workers into your system by providing them with an IP telephone set or even a soft client for their smart phone. The system is flexible and can accommodate network interfaces to PSTN, ISDN, VoIP Trunks and Stations.

TransTel has a range of Digital Key Phones and IP Telephones that offer many valuable features and benefits. The TDS also supports traditional analog and wireless phones, and a wide range of contemporary SIP telephones and devices.

The TDS series integrates with many application programs to form a diverse and advanced communication system platform and versatility by design allows the TDS to adapt to future IP enabled technologies for voice, data, and security applications.

A TDS system is a sure investment for any business looking to implement productive and advanced features while preserving growth opportunities for the future.

Application Software To Make You More Productive
IP - Based Computer Technology Integration

The hybrid IP capability of TDS systems allows business team communications to be enhanced and productivity increased. The range of TDS options now available means that your staff can be in contact wherever they are located. Integrated unified voicemail and messaging options allow instant contact and retrieval of messages at will.

TDS IP CTI functionality allows many powerful communication combinations such as TAPI integration with industry standard CRM systems, hospitality PMS systems, and more.
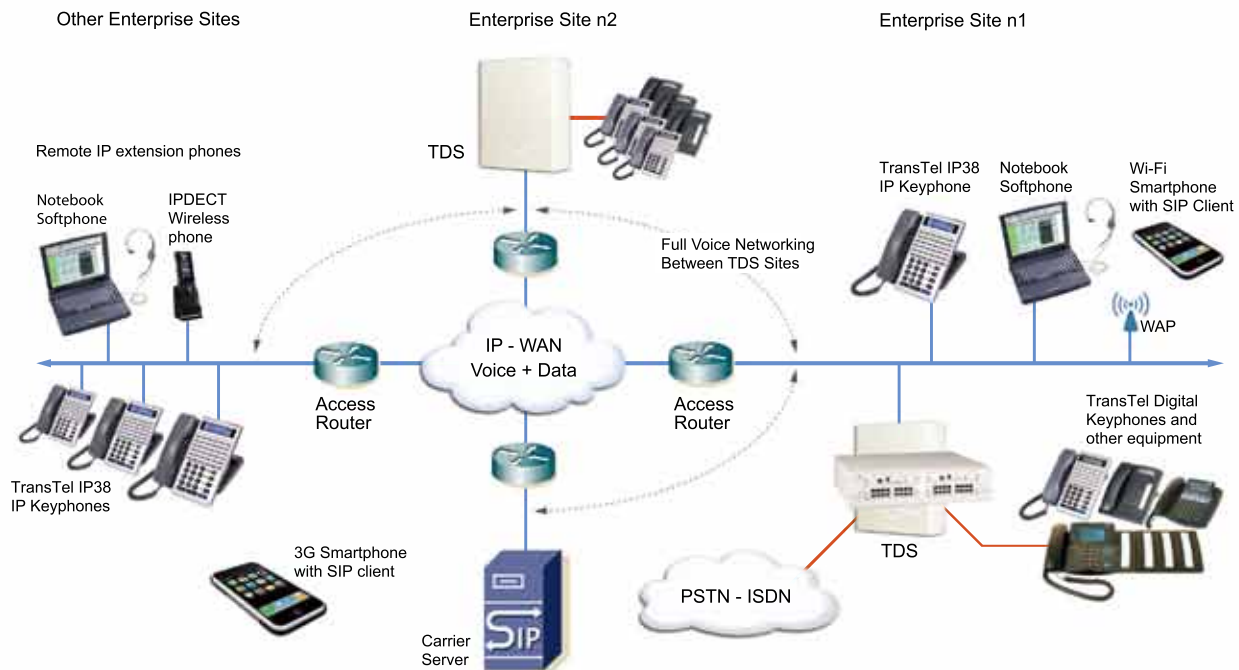
TransTel in-house software and systems allow other enhancements such as online monitor of call traffic and call accounting, secure access door control, hospitality room phone control, and many more like features.

TDS systems provide your team with the communications tools to be effective and make a difference to your business.

VOICE OVER IP & VIRTUAL PRIVATE NETWORKING
SIP Trunking, Remote VoIP Extensions, Networking and more…

Other Enterprise Sites   Enterprise Site n2   Enterprise Site n1

Remote IP extension phones   TDS

Notebook Softphone   IPDECT Wireless phone

TransTel IP38 IP Keyphone   Notebook Softphone   Wi-Fi Smartphone with SIP Client

Full Voice Networking Between TDS Sites

WAP

IP - WAN Voice + Data

Access Router   Access Router

TransTel Digital Keyphones and other equipment

TransTel IP38 IP Keyphones

3G Smartphone with SIP client

TDS

PSTN - ISDN

Carrier Server

VoIP Solutions that save costs…increase productivity

TransTel TDS systems offers VoIP options that allow businesses to leverage today's broadband networks and provide more efficient communications solutions.

VoIP Trunking
TransTel systems are equipped to manage your calls using VoIP services provided by your chosen SIP VoIP Service Provider and enable you to reduce your call costs in the process. Direct integration into a TransTel system means you do not require a 3rd party gateway and can incorporate "direct inward dialing" whereby calls can go to the required destination without intervention by an operator or automated attendant.

Virtual Private Networks (VPN)
The intelligent design of TDS VoIP will allow you to link other sites together, allowing you to have the one number for your business, and the ability to seamlessly, and free of call cost, transfer calls to another site via your VPN. This can also provide other cost savings such as operator costs at each site, desk to desk staff calls between sites, as well being efficient in connecting the right person within your company with any outside callers.

VoIP Extensions
TransTel IP38-61 IP Keyphone :
The TransTel IP38-61 provides a system key phone solution for employees who work in remote locations or from their homes. The IP38-61 provides the same functionality on a TDS system as in-office system key phones; the same handling options, display options including line and extension status, and access to TDS system features.This solution allows remote employees to be truly active members of your team.

Standard IP Phones :
Many third party SIP VoIP phones can also be supported on a TransTel TDS system.

Examples are:
• Standard desktop IP phones
• Soft phones on a notebook or PC
• Analog telephone adaptors connected to single line phones, fax machines
• IP door phones; wireless IP DECT systems
• Wi-Fi SIP Cordless Phones
• Smart phones using SIP clients can connect via Wi-Fi

VoIP extensions are globally portable and can connect to their TDS system from anywhere there is an appropriate broadband connection available.

TransTel VoIP Works Anywhere! Anytime!

Features for Business - the TDS Advantage

Advanced Messaging System (AMS)

AMS offers a number of benefits to any business by providing an advanced schedule based Automated Attendant, Voicemail, Unified Messaging, Call Recording, and many other powerful features.

AMS advanced **Auto Attendant** can assist any business in managing inbound calls, by answering those sudden influxes of callers at various times of the day or allowing callers to direct their call to the right person or department within your organization. The sophisticated design of AMS Auto Attendant includes a multi-level scripted menu system that can be programmed to a 365 day schedule for the ultimate in flexible call handling for your business.

AMS advanced **Auto Attendant** can also be configured for Multi Tenant applications where you may answer incoming calls with different greetings on different time schedules.

AMS **Voicemail** is an ideal way to promote efficient business by allowing callers to communicate at times when their call cannot be taken immediately in person.
Voicemail has many forms of message waiting notification allowing messages to be retrieved locally or remotely in the most timely way.

AMS **Unified Messaging** can forward your Voicemail messages to email in the form of .wav files that can be listened to anywhere. This provides a solution for many business people who are mobile during the day as they are immediately provided with their voicemail delivered via email to their smart phones.

AMS **Call Recording** will allow you to record all calls in your organization, as well as individual conversations on demand. There is a growing need for this feature in business today, allowing you to record conversations for coaching and training as well as recording transactions made during the course of daily activities.

AMS can archive recorded messages to network attached storage devices on your LAN. These messages can be retrieved at a later date and played back as required.

Automatic Call Distribution ... Integrated

As part of its operating system, the TDS Series provides integrated Automatic Call Distribution (ACD) functionality which is a key component for business whose operation is call centre based.

ACD allows for the queueing of incoming callers with distribution to the next available call agent. TDS ACD functionality includes supervisor operators, live reporting via browser based consoles, and many programmable options allowing tailoring of this solution to individual business needs.

ACD functionality requires the presence of a Voicemail card or AMS in the TDS for voice messaging. Should the AMS option be chosen then call recording becomes available, providing a completely integrated call centre solution.

Conference Facilities and Conference Rooms

The TransTel TDS provides integrated conference capability for immediate use while on a call.
Each conference can include up to 15 members.
The TDS also provides advanced conference functionality in the form of Conference Rooms.
These Conference Rooms can be accessed internally via intercom facilities or externally where conference members are invited to call a specific number at a specified time. There are 8 Conference Rooms available with up to 15 members per conference. Maximum concurrent conference members supported overall is 30.

Conference Room functionality can be used in Sales for example to allow meetings to be held with remote staff.

Redundancy

For mission critical applications like Hospitals, Nursing Homes, Police and Fire Rescue as well as government agencies the TDS 1280 Model can be configured with redundancy options to assure that communications remain possible when either the primary processor (MPU) or power supply should fail. The system will automatically switch to the back up equipment should there be a failure in primary operations, saving valuable down time. The database remains up dated in the back up MPU so that all the service features and call routing are duplicated. Both active and standby systems are identical. Notification is provided to personnel indicating that a redundancy switch took place and they are alerted that service is required to the failed portions of the system.

Features for Hospitality
A totally integrated lodging solution

The TDS Series Lodging System is one of the most robust, feature packed and cost effective solutions on the market today. From 3, 4 and 5 Star resorts to small hotel motel applications, TransTel and it's affiliated companies has thousands of systems installed throughout the world. A thoughtfully designed feature package specifically for lodging and the ultimate guest experience makes TransTel Lodging Solutions a preferred system of choice for hotels. TDS Lodging Systems can support standalone operations with internal call accounting, automated attendant and voice messaging, to sophisticated integration with a variety of Property Management Systems. TransTel Lodging Systems are certified by Micros—Fidelio Property Management Systems along with many other independent 3rd party providers of PMS systems and call accounting systems.

Guest Services

That pay dividends . . .when a guest enters the TDS Voice Services package, they are greeted with a friendly menu of options, not an array of confusing instructions more suited for business applications. The system maintains it's commitment to user friendliness by offering clear voice guided instructions for using and setting up features. Your guests will be pleased with the services offered and how easy they are to use.

A guest simply dials a code to enter Guest Services for the following menu.

Dial 1 to play messages
Dial 2 for Automatic Wake Up
Dial 3 for Do Not Disturb
Dial 4 for password control

Front Desk Operations

Simple as 1, 2, 3 . . .
Operations at the front desk could not be easier. Accessing features is a matter of pressing a "Hotel" key on the operator console followed by 1,2,3 etc. for the various features and following instructions from the LCD of the operator console, or entering the Lodging Voice Services Menu and listening to voice guided feature prompts.

Key Feature Highlights

Over 1,000 Guest Rooms
ISDN – PSTN and VoIP Line Selection
Automated Attendant
Automatic Wake Up
   Custom Wake Up Messages
   Wake Up Call History
   Operator Notification on No Answer
Call Accounting
   Credit Limit
   Rate Set Up
Calling Room Display
Check In & Check Out
Do Not Disturb
Emergency 911 Service
Least Cost Routing
Lock & Unlock Room Telephone
Message Waiting
Room Status
Room to Room Dialing Control
Single Digit Dialing
Shower Alarm
Toll Control
Voice Guided Front Desk Operations
Voice Guided Guest Features
Voice Mail
   Adminstration
   Guest
   Password Control

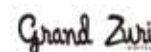## Key Feature Highlights…..cont'

Property Management Interface supported features
   Check In
   Check Out
   Guest Room Move
   Guest Voice Mail Status
   Guest Room Do No Disturb
   Guest Room Clean Status
   Wake Up Service
   Guest Room Mini Charges (POS)
   Telephone Call Accounting Information

Our Premium Hotel Projects:

ACCOR
HORISON HOTELS
Best Western
TAUZIA
swiss-belhotel international
ASTON INTERNATIONAL
Grand Zuri
HS Hotel Santika
Holiday Inn

System Features:

- Account Code Capability
- Advanced Messaging Services *
    - Automated Attendant
    - Call Recording
    - Multi Tenant Services
    - Script Menus
    - Single Digit Dialing
    - Security Alarm Services
    - Unified Messaging
    - Voice Mail
- Alarm - Station
- Answer Call Waiting
- Automatic Answer-Intercom
- Automatic Call Back (Camp-On)
- Automatic Line Access
- Automatic Redial
- Automatic Call Distribution
    - Agent Log In & Out
    - Agent Help
    - Multi Level Recordings *
    - Real Time Monitoring
- Call Forwarding (Follow Me)
- Call Monitor
- Call Recording *
- Call Waiting
- Call Transfer
- Camp On
- Check In and Check Out
- CLI on Both External and Internal Call *
- Conference Room Feature *
- CTI Integration *
- Date and Time Backup without Battery
- Day and Night Service
- DID Trunk *

- Direct Call Pickup
- Directory Dial for Speed Dial
- Direct Inward System Access *
- Distinctive Dial Tone and Ringing
- Doorphone Calling & Door Opening *
- Executive Override (Barge-In)
- E & M Trunk *
- Flash (Open Loop Timed Flash)
- Hotel Motel Feature Package
- Hunt Group
- Last Number Redial
- Least Cost Routing
- Line Reverse Detection
- Lock / Unlock Extensions
- Macro Keys
- Multiple Music On Hold *
- Multi Party Conference
- One Touch Dialling
- Paging / Meet-Me Page
- Privacy Release
- Programmable Keys
- Security Code
- SLT HOLD Operation
- SMDR Buffers
- System Speed Dial and Personal Speed Dial
- Toll Restriction
- Unified Messaging *
- Virtual Private Networking *
    - SIP Trunking
    - Station to Station Dialing
    - Unified Messaging
- Voice over IP *
    - SIP Trunking
    - Remote IP Station
- Voicemail Integration *
- Wake Up Service *

Display Features:

- Absent Message Display
- Account Code Display
- Backlit Display
- Call Duration Timer
- Call Processing Information
- Call Log Information
- Called Extension Name Display
- CLI or Caller ID Information *
- Conference Information
- CO Line Groups – Loop Keys
- Date and Time Display
- Dialed Number
- Direct Station Selection & BLF
- Enhanced Station Programming
- Handsfree Answer Back
- Message Waiting Caller Information
- Name of Outside Caller *
- Override Identification
- Soft Keys
- Speaker Phone
- System Programming

* : optional: Extra cost equipment may be required for this feature.

TDS Specification

Maximum Ports	40	64	80	160	240	320	400	480	560	640	1280
Cabinets	1	1	1	2	3	4	5	6	7	8	16
Extensions	32	48	80	160	240	320	400	480	560	640	1280
Outside Lines	32	32	54	108	162	216	255	255	255	255	255
Trad. Outside Slots	2	4	5	10	15	20	25	30	35	40	80
PSTN Lines	16	32	40	80	120	160	200	240	255	255	255
ISDN BRI	6	6	6	12	18	24	30	36	42	48	96
ISDN PRI	1	1	1	2	3	4	5	6	7	8	16
T1 or E1	1	1	1	2	3	4	5	6	7	8	16
VoIP Slots	4	4	10	20	30	40	50	60	70	80	160
Keyphones	32	40	80	160	240	320	400	480	560	640	1280
IP Keyphones	32	40	80	160	240	320	400	480	560	640	1280
Std SIP Phones / Devices	32	40	80	160	240	320	400	480	560	640	1280
SLTs	32	40	80	160	240	320	400	480	560	640	1280
ACPs	32	40	80	160	240	320	400	480	560	640	1280
Voice Service Slots	1	1	2	4	5	7	9	11	13	15	32

Notes:
1. Above capacities are shown as maximum figures. Due to the limitation of available slots the exact capacity will be dependent on how many slots are available for each interface.
2. Extensions means the maximum number of extensions.
3. Outside lines means the maximum number of traditional outside lines. That is the combination of : E1 or T1 plus ISDN (BRI, PRI), plus PSTN lines.
4. Outside slots means the available slots for PSTN, ISDN, T1/E1, VoIP.
5. One ISDN BRI has 2 outside lines.
6. One ISDN PRI has 30 outside lines.
7. One T1 has 24 outside lines.
8. One E1 has 30 outside lines.
9. VoIP Slots means available slots for either VoIP trunk, or VoIP extension, interfaces.
10. One VoIP card can have 4, 8, or 16 channels. One 16 channel VoIP card requires 2 VoIP slots.
11. One Voice Service Slot (VMU) has 4 channels Voicemail / 6 channel Auto Attendant.
12. One Voice Service Slot (AMS) has 4 channels / 8 channels for Voicemail / Auto Attendant.
13. TDS1280 system can be offered with MPU and power supply redundancy.

Keyphone, Console and Access Phone Models:

DK6-36D/BT (DK6-21/BT) Handsfree, LCD Display, 36 DSS keys / Bluetooth
DK6-18D (DK6-31) Handsfree, LCD Display, 18 DSS keys
DK6-18 (DK6-33) Handsfree, 18 DSS keys
DK6-DSS 60 Button Direct Station Selection Console
DK2-D/BT (DK2-21/BT) Handsfree, Large LCD Display, 22 DSS keys / Bluetooth
DK2-DSS 66 Button Direct Station Selection Console
DK3-D (DK3-21) Handsfree, LCD Display, 10 DSS keys
DK3-33 On Hook Dial, 10 DSS keys
DK7-21 Handsfree, LCD Display, 10 DSS keys
IP38-61 IP Keyphone, Handsfree, LCD Display, 36 DSS keys
IP37-61 IP Phone, Handsfree, LCD Display, 36 DSS keys
IP37-62 IP Phone, Handsfree, LCD Display, 18 DSS keys
DK-ACP30 One Button Doorphone / Mifare Card Reader
DK-ACP40 Access Control Phone / Mifare Card Reader

*Phone models vary depending upon market. Check with your local representative for models offered.

TDS Cabinet

DK6-36D/BT(DK6-21/BT) DK6-18D(DK6-31)

DK6-18(DK6-33) DK6-DSS

DK2-21D/BT(DK2-21/BT) DK2-DSS

DK3-D(DK3-21) DK3-33

DK7-21 IP38-61

IP37-61 IP37-62

DK-ACP30 DK-ACP40