

## The Evolution of the Strata Product Line

### Introduction

The information in this bulletin is provided as a reference to compare past and present versions of Strata products. This information will assist you in determining what features and options can be added to your existing customer base of Strata systems. It will help explain to your Strata customers what capabilities they have in their systems compared to current products, and what they gain when upgrading from older to newer Strata systems.

This information will also enable you to show prospective customers the ongoing progression of enhancements and new product development within the Strata product line. This is proof of Toshiba's commitment to an evolving product line strategy, keeping Strata products up with developing trends and new requirements in the telecommunication system industry.

### Strata Product History

1978 – 1981: The Strata product line has a long and rich history. It started back in 1978 with the Strata III, Toshiba's first electronic, stored program key system. The Strata III was one of the first "skinny wire" systems on the market and led the way to the development of future Strata products. With each new product model, and each new software version, Toshiba has continually enhanced features and capabilities.

1982 – 1985: The Strata VI first appeared in 1982 and was Toshiba's first microprocessor-based electronic key system. It set the stage for development of a family of Strata systems, with the introduction of the smaller Strata S, and larger Strata XII and XX in 1983.

1986 – 1988: The Strata "e" release brought additional capabilities to the Strata S, VI, XII, and XX systems in June 1986. In March 1988, Release 2 brought more new capabilities to the Strata Se, VIe, XIIe, and XXe, making Strata one of the most feature rich families of hybrid/key systems on the market.

1989: In the late 1980's, digital technology began to enter the key systems market. Toshiba's first digital key telephone system was the Strata DK in 1989. The DK56 and DK96 replaced the XIIe and XXe in the Strata product line and set the standard architecture for our digital product line.

1990: Strata DK Release 2 brought many important enhancements to the DK56 and DK96 systems. At that same time in 1990, Toshiba also introduced the DK24, bringing digital technology farther down the size range of the Strata product line. The DK24 also filled an important need for a system sized between the 6x16 Strata VIe and the Strata DK56.

1991 – 1992: Strata DK Release 3 in 1991 introduced Strata DK24/56/96 systems to digital telephones and data switching, both for the first time in the Strata product line. Then, in 1992, Release 4 brought

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even more new capabilities to DK24/56/96 systems, which included new and improved digital telephones with LCD feature prompting and soft key operation.

In November 1992, the DK16 replaced the Strata VIe in the Strata product line, bringing digital technology to small system users. With all the features and capabilities of larger Strata DK systems, the DK16 provided sophisticated functionality rarely found in a small hybrid/key system.

1993: The Strata DK8 followed closely behind the DK16, completing the transition of entire Strata product line to digital technology. With its introduction in April 1993, the DK8 replaced the Se in the Strata product line, bringing powerful features to small system users, rarely found in systems of this size.

In June 1993, Toshiba introduced another milestone product to the hybrid/key systems marketplace, the Strata DK280 Modular Digital Telephone System. The DK280 replaced the DK24, DK56, and DK96 in the Strata product line. This important new product provided many advanced new features, significantly expanded the size of Strata systems, and made modular growth and migration more cost effective than ever before.

1994 – 1995: Toshiba introduced Release 2 of the Strata DK280 in June 1994. Release 2 provided ACD/MIS, Attendant Console, SMDI voice mail interface, and Pooled Line Key improvements. This provided the most complete call answering solution and flexibility available, and many new call center application opportunities.

1996: Toshiba introduced Release 3.0 of the Strata DK280 in 1996. Release 3.0 provided Multiple DNs, Caller ID/ANI, DNIS, and other important advanced hybrid features. At the same time, Computer Telephony Integration TAPI capabilities became available for all Strata DK systems, opening the door to many exciting new custom PC-driven applications. Later in the year, the DK16e replaced the DK16 adding Caller ID and many new enhancements. Also in 1996, the Digital Cordless Telephone was introduced.

1997: The entire Strata DK product line was updated in 1997. The DK14, DK40, and DK424 replaced the DK8, DK16e, and DK280, expanding system size and adding feature enhancements. Release 3.1 added more new features to the DK424. The PC Attendant Console improved operator functionality, Call Center Viewer provided more ACD display options, and StrataLink provided important CTI enhancements.

1998: New product releases in 1998 included the PC Digital Telephone, enhancements to StrataLink CTI capabilities, enhancements to the PC Attendant Console, the Strata AirLink Wireless Telephone System external interface version, the Hospitality Management Information System (HMIS), and the Single Line Digital Telephone. The DK424 Release 3.2 added feature improvements and the DK424 Release 4.0 added ISDN Primary Rate Interface (PRI) capabilities and other new feature enhancements.

1999: The Strata DK40i added ISDN Basic Rate Interface (BRI) S/T interface capabilities to our most popular small system and Release 4.1 software added ISDN BRI S/T interface capabilities to the Strata DK424. Other new product releases included the Toshiba Ultimate Communicator, Strata AirLink Wireless integrated interface version, Voice over IP gateway products, Insight DK MIS reporting packages, new HMIS software packaging options, and StrataControl end user administrative software.

2000: The year 2000 brought many new developments to the Strata product line. Release 4.15 provided enhancements to the ISDN PRI capabilities in the Strata DK424. Release 4.3 provided more enhancements to both PRI and BRI and other important new features for the Strata DK424. Release 4.3 also enhanced the RCTUA processor to support ACD, T1, and PRI. The Strata DK424i provided new system hardware architecture that would later be compatible and upgradeable to the larger Strata CTX670 system. The DK40i Release 4.3 provided ACD, ISDN PRI, BRI U interface, and T1 interface, bringing additional powerful big system functionality to smaller users.

The year 2000 also brought important new adjunct products to the Strata product line. The Toshiba IP Voice Gateway added another important Voice over IP product in the form of a card that integrates into a slot in the Strata DK cabinet. MCK Branch Office EXTender products provided digital telephone

extensions to remote office locations. The Hospitality Management Information System (HMIS) Release 2 added Property Management System (PMS) Interface and several new features that increase functionality and value. An additional model digital cordless telephone was introduced, and a full duplex speakerphone model was added to the 2000-series digital telephone product line.

2001: MCK IP EXTender products provided digital telephone extensions to individual remote users via IP network connection. Insight DK Lite provided low cost call center supervisor MIS display capabilities for small ACD applications.

2002: Toshiba introduced Strata CTX100 and CTX670 digital business telephone systems, with the Strata CTX100 replacing the DK40i and the CTX670 replacing the DK424i in the Strata product line, bringing larger capacity, multi-system networking, enhanced voice mail integration, and many other important new features. 3000-series digital telephones represented the third generation of digital telephones from Toshiba, providing many enhancements and a more modern design. The CTX Attendant Console provided efficient high-volume call answering.

Also in 2002, powerful ACD capabilities were added to the Strata CTX, with the ACD server bringing advanced call center features and the OAISYS suite of value-added applications. Insight products complimented sophisticated ACD functionality with equally sophisticated call center reporting applications.

2003: Important wireless developments included SpectraLink wireless telephones added to the Strata product line. Two new models of digital cordless telephones, DKT2204-CT and DTK2304-CT, replaced the two original versions, DKT2004-CT and DKT2104-CT. The SoftIPT soft phone client software was introduced to provide all the features of desk telephones to laptop PCs connected to wireless local area networks.

Also in 2003, the Strata CTX670 Release 1.3 software provided important multi-system networking enhancements. Release 2.0 IP-enabled Strata CTX systems, providing support for Toshiba IPT1020-SD IP telephone connection. Release 2.1 provided multi-system networking via IP networks. The Strata CTX100-S was introduced as a competitively-priced small system solution.

2004: Release 2.2 provided more networking and general feature enhancements to Strata CTX systems, and Release 2.22 provided Spanish LCD display, PRI Call-by-call Min./Max., Caller ID over Strata Net, and Attendant Console overflow to multiple call groups. New versions of ACD 2.0 and Insight 3.12 software enhanced call center functionality. Strata CTX670 rack-mountable cabinets were introduced to provide additional installation flexibility. Toshiba's second generation of IP telephones, the 2000-series, was introduced with three new models and Info Manager applications.

Also in 2004, the Strata CTX28 was introduced for small office users. The CTX28 replaced the DK14 in the Strata product line adding built-in Caller ID, additional features, expanded capacity, and an integrated voice mail (GVMU) card with Call Record, Call Monitor and Retrieve, and LCD soft key prompting of voice mail features.

2005: The Strata CIX200 with Release 3.0 software represented Toshiba's second generation IP system with peer-to-peer IP communication of MEGACO+ and Uniden UIP200 SIP telephones. The Media Application Server (MAS) provided IP integration to the Strata CIX for support of voice mail, ACD, and other value-added applications all on one platform. SMC products provided Power-over-Ethernet (PoE) capabilities and SonicWALL products provided network security for Strata CIX IP systems. SoftIPT soft phone client software was added for PDAs, enabling both PDAs and laptop PCs to connect to wireless local area networks.

Release 3.1 brought IP peer-to-peer functionality to Strata CTX100 and CTX670 systems, offering a migration path to turn CTX into CIX systems, with all the same functionality of the CIX200, including FeatureFlex and MAS integration. Release 4.0 added UCD, Centralized Network SNMP, Traffic Measurement and Reporting, SMTP Traps for Alarm Notification, and Dial by Name Directory on Small LCD to Strata CIX systems.

3200-series digital telephones replaced the 3000-series with new styling similar to Toshiba IP telephones. Strata CTX28 was enhanced with Release 2.22, adding Spanish LCD prompts. The Strategy iES16 was added to the Toshiba voice mail product line. Strategy ES Release 4.6 provided enhanced Unified Messaging IMAP integration, Outlook XP/2003 compatibility, and SoftFax.

2006: Strata CIX Release 4.1 added VLAN support, BCOCIU and BSTCIU Caller ID cards, and Strata Net per-port licensing. HotDesk, a FeatureFlex application, introduced cost-effective digital telephone operation for a shared office environment. The PC Interface Unit (BPCI) and TAPI driver software provided Outlook integration for digital telephones. The CIX Attendant Console was made available as a software-only License, enabling users to provide their own PC. A additional IP telephone model (IPT2010-SDC) was introduced with analog loop-start CO line connection for local dialing.

ACD Release 2.1 brought skills-based routing enhancements, and myTASKE Reporter introduced a comprehensive suite of web based reporting tools designed specifically for the smaller contact center.

The Video Communication Solution (VCS) was introduced with point-to-point video conferencing and desktop collaboration.

A new 2U hardware chassis became available for the Strata Media Application Server (MAS), replacing the 1U platform with some important enhancements including front-side cable connections, 2 full length board slots, improved cabinet cooling fan configuration with reduced operational noise, shorter cabinet length for easier rack installation, and RoHS compliance (**R**estricted use **o**f **H**azardous **S**ubstances) environmental directive.

Also in 2006, the Strata CIX40 was introduced for small office users, completing the transition of entire Strata product line to IP technology. The CIX40 replaced the CTX28 in the Strata product line adding support for IP telephones, Strata Net networking, expanded capacity, and an enhanced integrated voice mail (GVPH) card with built-in modem.

As you can see, Toshiba continually keeps the Strata product line the best in the business telephone systems industry.

# Strata Software Version and Product Release History Chart

With each new product model, and each new software version, Toshiba has continually enhanced features and capabilities of Strata telecommunication systems.

## Strata DK24/56/96, DK8, DK16

Software Version	Release Date	Enhancements
DK56 DK96	May 1989	Strata DK56 replaced Strata XIle R2 Strata DK96 replaced Strata XXe R2
Release 1	May 1989	Digital system technology Flexible port assignment (lines x stations) Fixed destination call forward Direct inward station calling Power failure transfer to standard telephone
		Non-blocking intercom paths Intercom hold Standard station compatibility DTMF/DP External zone paging Selectable internal call ring tones
DK24	July 1990	DK24 added to Strata product line
		DK24 same R2 features as DK56/96
Release 2	July 1990	Call park Call forward – busy Call forward – no answer Call forward – busy/no answer Direct inward system access (DISA) Release button
		Intercom user name display on LCD Selective call pickup Distinctive ringing on standard telephones Increased door lock capacity from 1 to 5 Increased music interfaces from 2 to 3 Additional SMDR (toll call) report
Release 3	March 1991	Digital telephones & data switching Verifiable account codes "0+" credit card dialing Traveling class of service
		Privacy button Night ringing over selected page zones Busy station LCD messaging Group station LCD messaging
Release 4	September 1992	LCD feature prompting with soft keys Multi-step feature buttons Automatic hold Call forward block on hands-free calls
		Busy station transfer/ringing Separate BGM/MOH source Programmable door phone ringing Programmable SMDR call threshold time
DK16	November 1992	DK16 replaced VIe R2 in Strata product line
		Digital technology & DK R4 features
DK8	April 1993	DK8 replaced Se R2 in Strata product line
		Digital technology & DK R4 features

## Strata DK280/424/424i, DK14, DK16e/DK40/DK40i

Software Version	Release Date	Enhancements	
DK280	June 1993	DK280 replaced DK24/56/96 systems	Modular growth
Release 1.0	June 1993	Modular multi-cabinet architecture Expanded capacity to 280 ports Automatic station relocation Automated attendant Call forward – external destination Call forward – remote change destination Call pickup for multiple station groups	Direct inward dialing (DID) T1 interface Ground-start CO line support Tie line transfer recall 20-button Add-on module Expanded ring tones for distinctive ringing Continuous DTMF signal time
Release 2.0	June 1994	Automatic call distribution & reporting Attendant Console	SMDI voice mail interface Pooled line key enhancements
Release 3.0	March 1996	Multiple directory numbers Caller ID & ANI DNIS TAPI support Release/answer button	Message waiting on standard telephones Camp-on tone for standard telephones Call park orbits, auto park, park/page Off-hook call announce – handset mode 10-digital local dialing
DK16e	December 1996	DK16e replaced DK16 in Strata product line	Caller ID & DK280 R3.0 features
Release 3.1	February 1997	Distributed hunting	
DK424 A,B,C/D	February 1997	DK424 replaced DK280 in Strata product line	A, B, C/D processors provided same capacity
DK424 E/F	July 1997	E/F processor option added	Expanded system capacity to 424 ports
DK40	September 1997	DK40 replaced DK16e in Strata product line	Expanded capacity & DK424 R3.1 features
DK14	December 1997	DK14 replaced DK8 in Strata product line	Expanded capacity & DK424 R3.1 features
Release 3.2	May 1998	System open-architecture interface Voice mail control during conference call	Selective pickup of all call page Call transfer music or ringing option
Release 4.0	November 1998	ISDN Primary Rate Interface (PRI)	
Release 4.1	March 1999	ISDN BRI S/T interface	VoIP trunk gateway
DK40i	May 1999	DK40i replaced DK40 in Strata product line	ISDN BRI & DK424i R4.1 features
Release 4.15	March 2000	ISDN PRI call-by-call enhancements	
Release 4.3	June 2000	ISDN BRI U interface Variable capacity (fractional) PRI	E911 integrated interface E911 over ISDN PRI trunks
DK424i	June 2000	DK424i replaced DK424 in Strata product line	New cabinets and processors CTX compatible

## Strata CTX/CIX

Software Version	Release Date	Enhancements	
CTX100 CTX670	February 2002	CTX100 replaced DK40i in Strata product line CTX670 replaced DK424i in Strata product line	Expanded system capacity to 112 ports Expanded system capacity to 670 ports
Release 1.0	February 2002	Multi-system networking (QSIG) via PRI Advanced ACD capabilities Voice mail LCD feature prompting/control Call record to voice mail Transfer direct to voice mailbox Voice mail conference Caller ID call history & redial Hot dialing Lost call treatment System-wide call forwarding default	High-speed 32-bit RISC processor SmartMedia card database storage/upgrade Digital PAD transmission level control CSTA system CTI link System fault finding & diagnostics 8-party conference & split conference Night transfer auto scheduled Stutter dial tone Through dialing from station
Release 1.3	March 2003	DSS/BLF networking enhancements Centralized voice mail enhancements	Multiple call/delayed ringing Distinctive ringing enhancements
Release 2.0	April 2003	IP telephone support	
CTX100-S	July 2003	CTX100-S added to Strata product line	Low-priced processor for small configurations
Release 2.1	July 2003	Multi-system networking via IP	
CTX670 RM	February 2004	Rack-mount cabinets available for CTX670	
Release 2.2	March 2004	Network DN tables across network nodes DISA calling across tie lines Expanded number of night transfer buttons	Tenant service up to 8 tenants Conference split/join Enhanced CSTA link & new ACD features
CTX28	July 2004	CTX28 replaced DK14 in Strata product line	Caller ID built-in, expanded capacity, GVMU
Release 2.22	October 2004	Spanish LCD display PRI Call-by-call Min./Max.	Caller ID over Strata Net Attendant Console overflow to multiple groups
CIX200 Release 3.0 (CIX200 only)	February 2005	CIX200 added to the Strata product line Release 3.0 software for CIX200 only Peer-to-peer IP communication	FeatureFlex adaptability Unified Administration (CIX & SES) Personal Administration (My Phone Manager)
MAS 1U SES Release 5.0 (MAS only)	February 2005	Media Application Server introduction All value-added applications on one platform 1U chassis server design	Automated Configuration Wizard UM enhanced with IMAP synchronization Spanish voice prompts (neutral dialect) ASR multi-level, speech-enabled menus
Release 3.1	May 2005	CTX100 renamed the CIX100 CTX670 renamed the CIX670 Peer-to-peer IP communication on CIX100/670	IPT2008-SDL compatibility Info Manager applications
Release 4.0	November 2005	Traffic Measurement & Reporting SMTP Traps for Alarm Notification Centralized Network SMDR	Uniform Call Distribution (UCD) Dial by Name Directory on Small LCD SD card media database storage/upgrade
Release 4.1	June 2006	VLAN Support Support for BCOCIU, BSTCIU Caller ID cards	Strata Net per-port licensing
MAS 2U	August 2006	2U server chassis replaced 1U chassis Shorter cabinet length easier rack installation Reduced fan noise	Front-side cable connections 2 full length board slots RoHS compliance
CIX40	August 2006	CIX40 replaced CTX28 in Strata product line	Strata Net networking, IP telephones, GVPH
IPT2010-SDC	November 2006	New IP telephone model added to product line	IP telephone with analog CO line interface

# Stratagy Software Version and Product Release History Chart

With each new product model, and each new software version, Toshiba has continually enhanced features and capabilities of Stratagy voice processing systems (release history from 1994 to 2000 taken from technical bulletin # TB40-0029 archived on FYI).

Software Version	Release Date	Enhancements	
Release 1.10	October 1994	Original Stratagy software version	
Release 1.11A	February 1995	Recognition of "A tone" answer supervision Enhanced supervised transfer voice cut through	Intermittent Fax Tone Detection
New Stratagy voice boards	July 1995	New half-sized Rhetorex voice boards Existing boards modified for compatibility	New advanced architecture
Release 1.21	February 1996	Introduced Stratagy Activation Module Reduced disconnections from feature collision	Improved Fax application functionality Quicker/easier Fax application installation
Release 2.09 (Stg 4 & Stg 24)	June 1996	Enhanced user interface New and Saved message queues	Hot Zero LIFO/FIFO message order
Release 2.09E (Stg 6 & 6 Lite)	June 1996	Rhetorex Duet (2-port) boards supported Rhetorex Quartet (4-port) boards supported	
Release V4.2B Stratagy 4 Lite	August 1996	New low-cost 4 Lite platform introduced Admin programming utilities added	
Release Vx.212 (Stg 4, 6, 6 Lite)	December 1996	Enhanced shut down procedure Enhanced Defrag performance	
Release V4.2E (Stg 4 Lite only)	December 1996	Plug and Play for Strata systems Increased communication rate to 9600 bps Manual dialing mode for remote access	Enhanced shut down procedure Enhanced Defrag performance
Release VDK.2G Stratagy DK	May 1997	New Stratagy DK "in-skin" platform introduced Enhanced Admin menu-driven interface	Plug and Play for Strata systems Backup and Restore utilities
Hospitality Application	August 1998	Guest room messaging works with HMIS Also works with any hotel/motel program	Resets call forwarding on guest room phone Call forward enabled from front desk
Release V4.2N Release Vxx.225	September 1998	Year 2000 compatibility AMIS Networking	Daylight savings time parameter Messaging compliant improvements
Release VDK.2N (Sgy DK only)	September 1998	Year 2000 compatibility AMIS Networking Park head feature	Daylight savings time parameter Messaging compliant improvements
Release 3.0 Stratagy Flash	February 1999	New low-cost 4 Flash platform introduced Uses solid-state flash memory technology	Plug and Play for Strata systems Pending messages
Stratagy DK voice driver 1.07	May 1999	Increased voice storage to 85 hours Improved BIOS	
SES Release 1	May 1999	Interactive Voice Response (IVR) SES platform Two platforms available (Model A & Model B)	IVR feature group
Stratagy 24 Plus	June 1999	New larger platform introduced	All PC circuitry on single board computer
Stratagy 24 SBC	September 1999	Replaced Stratagy 24	All PC circuitry on single board computer
Stg 6 Lite SBC	November 1999	Replaced Stratagy 6 Lite	All PC circuitry on single board computer
Release 3.1	November 1999	Year 2000 compliance for all Stratagy models AMIS Networking (all models except Flash) Automatic system recovery Enhanced shutdown procedure Optional system wide name announcement Improved prompting for forwarding messages	New message destination selection Pending messages for all models Stratagy Advisor Tutorial Dialogic voice boards added (ProLine/2V, Dialog/4, D/160SC-LS)
Stratagy 6D Stratagy 24D	November 1999	Stratagy 6D replaced 6 Stratagy 6D has internal modem & 1 serial port	Stratagy 24D replaced 24SBC Stratagy 24D has 4 serial ports
SES Release 2	February 2000	Messaging Voice Procesg. (MVP) SES platform Two platforms available (Model A & Model B)	Fax feature group



Hospitality Enhancement	March 2000	Hospitality application compatible with Stg DK Compatible with all PC-based Stratagy models	
SES UM & TTS	July 2000	Unified Messaging & Text-to-Speech for SES	UM & TTS feature groups
SES ASR	September 2000	Automatic Speech Recognition for SES	ASR feature group
Release 3.2	November 2000	DTMF Guard Timer Disk Full Prevention	New User Tutorial Enhancement AMIS maximum message length
Release 3.3	January 2002	AMIS Networking	Auto Schedules for Daylight Savings KSU Time sync between VM & CTX
Stratagy IVP8	January 2002	New IVP8 "in-skin" platform introduced	Flash storage & Release 3.3 features
SES Release 3	February 2002	Model C1 lower cost platform added VM LCD feature prompting/soft key operation Call Record to VM Transfer direct to voice mailbox	ASR enhancements TTS enhancements Voice mail conference
Stratagy iES32	July 2002	New iES32 "in-skin" platform introduced SoftSAM Stratagy Activation Module	SES Release 3 features Fax & UM feature groups
ES4, ES80, ES96, ES96R	July 2002	SES Model C1 renamed ES4 SES Model B5 renamed ES80 SES Model A8 renamed ES96 SES Model Rack6 renamed ES96R	New models replace 6D, 24D, 24 Plus
IVP8 Storage Upgrade	September 2002	Compact Flash upgrade increases storage 128MB 8 hours 196MB 12 hours	256MB 16 hours 512MB 32 hours
Stratagy Flash Storage Upgrade	December 2002	Compact Flash upgrade increases storage 64MB 6 hours 128MB 12 hours	196MB 17 hours 256MB 22 hours 512MB 44 hours
SES Release 4.0	March 2003	Voice Mail Soft Keys Across Network Nodes Call Record to Remote Voice Mail Fax Client Enhancements	SAPI compliance for Text-To-Speech (TTS) Voice Profile for Internet Mail (VPIM) Compl. Time zone Control for Mailboxes
Stratagy ES48 SES Release 4.5	September 2003	Stratagy ES48 replaced ES80 New chassis with full length PCI slots	Release 4.5 specifically for ES48 only Same features as SES Release 4.0
SES-8-PRO SES-48-PRO SES-96R2-SVR	April 2004	New PC hardware platforms introduced Standardized System 1, 2, 3, and 4 servers	Also used for Strata CS, ACD, Att. Console System 4 only used for Strata CS
IVP8 R2	August 2004	Increased std storage hours from 4 to 15 hours Storage upgrade option increases to 30 hours	Faster internal model (14,400 baud)
MAS 1U SES Release 5.0 (for MAS only)	February 2005	Media Application Server introduction All value-added applications on one platform 1U chassis server design	Automated Configuration Wizard UM enhanced with IMAP synchronization Spanish voice prompts (neutral dialect) ASR multi-level, speech-enabled menus
Stratagy iES16	March 2005	New iES16 "in-skin" platform introduced Compact Flash storage instead of hard drive	SES Release 4 features Fax, UM, TTS feature groups
SES Release 4.6	December 2005	UM enhanced with IMAP synchronization Updated Microsoft Outlook Form for XP/2003	SoftFax feature with Intel voice boards
MAS 2U	August 2006	2U server chassis replaced 1U chassis Shorter cabinet length easier rack installation Reduced fan noise	Front-side cable connections 2 full length board slots RoHS compliance

# Strata CIX Upgrade Comparison Chart

There are many capabilities gained when upgrading to Strata CIX from previous generation Strata CTX and DK systems. The chart below summarizes these capabilities.

System Features	DK424	DK424i	CTX670	CIX670
Automatic Call Distribution Advanced Features & OAISYS Modules	N/A	N/A	Opt	Opt
Automatic Release of Incoming Calls	N/A	N/A	Std	Std
BCOCIU/BCOCIS Analog CO Interface with Caller ID	No	No	No	Yes
BSTCIU 8-port Analog Station Interface with Caller ID	No	No	No	Yes
Caller ID Call History All Calls	N/A	N/A	Opt	Opt
Caller ID Call Waiting with CLASS Information	N/A	N/A	Opt	Opt
Caller ID ISDN Caller ID Names	N/A	N/A	Opt	Opt
Call Forward - System wide	N/A	N/A	Std	Std
Call Forward - Station - Any Call	N/A	N/A	Std	Std
Call Forward - Station - Line Calls Only	N/A	N/A	Std	Std
Cancel Button	N/A	N/A	Std	Std
CO Line Separate Incoming & Outgoing Line Groups	N/A	N/A	Std	Std
CO Lines Can Be in Multiple Incoming or Outgoing Line Groups	N/A	N/A	Std	Std
Conference Split & Join	N/A	N/A	Std	Std
CTI CSTA LAN Connection for System OAI	N/A	N/A	Opt	Opt
CTI CSTA Pilot DN	N/A	N/A	Std	Std
CTI PC Interface Unit for DKT (BPCI) with Outlook Integration	Opt	Opt	Opt	Opt
Database storage/upgrade SmartMedia flash memory card	N/A	N/A	Std	N/A
Database storage/upgrade SD (Secure Digital) flash memory card	N/A	N/A	N/A	Std
Emergency Call to Any Destination	N/A	N/A	Std	Std
Hot Dialpad	N/A	N/A	Std	Std
IP Attendant Console support	N/A	N/A	Opt	Opt
IP Telephone support	N/A	N/A	Opt	Opt
IP Telephones VLAN support	N/A	N/A	N/A	Opt
LCD Large Display	N/A	N/A	Std	Std
LCD Voice Mail Message Count	N/A	N/A	Std	Std
LCD Dial by Name Directory on Small LCD	N/A	N/A	N/A	Std
LCD Spanish Prompts	N/A	N/A	Std	Std
Lost Call Treatment	N/A	N/A	Std	Std
Media Application Server (MAS) compatibility	N/A	N/A	Opt	Opt
- FeatureFlex	N/A	N/A	Opt	Opt
- Video Communication Solution (VCS)	N/A	N/A	Opt	Opt
- Unified Administration CIX/SES (eManager)	N/A	N/A	Opt	Opt
- Personal Administration (My Phone Manager)	N/A	N/A	Opt	Opt
Message Waiting Stutter Dial Tone	N/A	N/A	Std	Std
Networking - Alternate Routing/Hop-off	N/A	N/A	Opt	Opt
Networking - Coordinated Numbering/Dialing Plan	N/A	N/A	Opt	Opt
Networking - Centralized Voice Mail	N/A	N/A	Opt	Opt
Networking - Centralized Attendant	N/A	N/A	Opt	Opt
Networking - IP	N/A	N/A	Opt	Opt
Networking - Centralized Networked SMDR	N/A	N/A	N/A	Opt
Night Service Auto Scheduled Activation	N/A	N/A	Std	Std
Paging - Emergency Page	N/A	N/A	Std	Std
System Fault Finding & Diagnostics	N/A	N/A	Std	Std
- Alarm Indication of System Faults	N/A	N/A	Std	Std
- Automatic Fault Recovery	N/A	N/A	Std	Std
- Fault Detection and Error Logs	N/A	N/A	Std	Std

- Maintenance & Administration via LAN	N/A	N/A	Std	Std
- Self Test	N/A	N/A	Std	Std
- System Trace	N/A	N/A	Std	Std
- SMTP Traps for Alarm Notification	N/A	N/A	N/A	Std
- Traffic Measurement and Reporting	N/A	N/A	N/A	Std
Through Dialing from Station	N/A	N/A	Std	Std
Uniform Call Distribution (UCD)	N/A	N/A	N/A	Std
Voice Mail Integration Enhancements	N/A	N/A	Std	Std
- Call Record to Voice Mail	N/A	N/A	Opt	Opt
- Transfer Direct to Voice Mailbox	N/A	N/A	Opt	Opt
- Voice Mail LCD Prompt/Soft Key Operation	N/A	N/A	Opt	Opt
- Voice Mail Monitor & Retrieve (FeatureFlex feature)	N/A	N/A	Opt	Opt
- Voice mail conference	N/A	N/A	Opt	Opt
<b>Maximum Capacities</b>	<b>DK424</b>	<b>DK424i</b>	<b>CTX670</b>	<b>CIX670</b>
Processor Models	4	4	1	1
Trunk/Station Ports	432	432	672	672
Trunk Lines	200	200	264	264
IP Telephones	N/A	N/A	560	560
Digital Telephones	336	336	560	560
Analog Telephones	328	328	544	544
OPXs	328	328	544	544
PC Interface Units	280	280	462	462
DSS Consoles 60-button	8	8	16	16
Add-On Modules 20-button	200	200	560	560
NIC 10base-T Interface Port	N/A	N/A	1	1
Power Failure Telephones	328	328	552	552
CO Line Groups	16	16	256	256
CO Line Groups - Incoming	N/A	N/A	128	128
CO Line Groups - Outgoing	N/A	N/A	128	128
Call Pickup Groups	20	20	32	32
Conference Parties	4	4	8	8
Simultaneous Conferences	14	14	31	31
Trunk-to-trunk conferences	20	20	31	31
Station Speed Dial	40	40	100	100
Speed Dial Number Digits	20	20	32	32
Speed Dial Number Digits Chained	37	37	64	64
Multiple Directory Numbers (PDN)	336	336	560	560
Phantom Directory Numbers (PhDN)	336	336	2,240	2,240
DNIS Numbers	500	500	2,000	2,000
DNIS/DID Network Routing Numbers	500	500	1,000	1,000
External Page Zones	8	8	16	16
Internal Page Groups	9	9	16	16
Park Orbit Zones	20	20	64	64
Station Hunting Groups	16	16	640	640
Distributed Hunt Group	16	16	640	640
Station Ring Tones	3	3	4	4
Toll Restriction Levels	8	8	16	16
Tenants	4	4	8	8
Music-on-Hold Interfaces	1	1	15	15
Verified Account Codes	300	300	1,000	1,000