

Strata CIX Release 4 Brings Important New Features

Toshiba is pleased to announce exciting new developments for the Strata CIX family of IP business communications systems. Delivering a more powerful processor and an expanded feature set, Release 4.0 becomes the standard version for Strata CIX100-S, CIX100, CIX200 and CIX670 systems. Existing Strata CIX and CTX customers can upgrade to Release 4.0 by installing the new processors. CIX200 systems can upgrade to R4.0 by simply updating the software on the existing LCTU1A processors.

Why are new processors required with Release 4? Several important reasons:

- Many new features have been added in Release 2 and 3 software versions, including IP Telephone Support, IP Networking, Spanish LCD Prompts, PRI Call-by-Call Min/Max, Transfer to VM with DSS Button, Tenant Service, Network DN Across Nodes, Peer-to-Peer IP Telephone Support, MAS, FeatureFlex, and much more. This has used up the available imbedded DRAM memory available for new feature development.
- Release 4.0 software adds many new high-value features that are memory-intensive and the increased memory of Release 4 processors paves the way for these enhancements and others in future software releases.
- Secure Digital (SD) flash memory replaces the SmartMedia flash memory card with a higher-capacity standard format on removable media. The switch from SmartMedia to SD format is an important change, as SmartMedia continues to decrease in availability and SD emerges as a more established standard.
- The Licensing process for R4 processors is the same as existing R2 and R3 processors. Licenses registered on R2 and R3 processors can be transferred over to the same type (like-for-like) R4 processors. License part numbers do not change with Release 4.

New Features Enhance Strata CIX Functionality

In addition to more memory and greater processing power, Release 4.0 software adds many important new features:

- **Uniform Call Distribution (UCD)** – Built-in UCD functionality provides call flow to distribute calls more efficiently through a call center. UCD enables calls to be answered by the auto attendant, which prompts the caller to dial the correct UCD group number. The call is then sent to the UCD agent or queue, but never to a busy number. Calls sent to agents are managed by distributed hunt to find the next available agent. Callers in queue can receive music and announcements imbedded in one of the systems music-on-hold sources, and each UCD group can share or have a separate music source. Overflow timing is controlled by a unique overflow timer for each UCD group. Agent log-in and log-out buttons make it easy for agents to sign in and out of the system so that calls can be routed appropriately. The built-in UCD standard feature is ideal for simple call processing applications not justifying the cost or sophistication of the optional ACD and reporting capabilities available with Strata CIX systems.

- **Dial Directory** – Station users can dial by name using Toshiba's DKT3000 series and IPT2000 series 10- and 20-button small-LCD telephones. This provides users of the 2-line-LCD model telephones similar functionality as with the 8-line-LCD model. The Dial by Name feature searches for names much like a cell phone directory and then allows the user to press one button to dial. This feature includes speed dial names and internal directory names.
- **Alarm Notification** – With R4 the Strata CIX can send alarm notifications to a Monitoring PC/Server or send an alarm notification to a telephone. Alarms include trunk failures on ISDN PRI, ISDN BRI, T1, or IP interfaces. System resource alarms include cooling fan failure (CIX200 only), LIPU or BIPU-M card data set problem, SMDR memory buffer full, SMDR link down (LAN/RS-232c), SMDI link down (LAN only), and CTI link down (Attendant Console, ACD, external Stratagy system). The Strata CIX Network eMonitor software application provides system alarm monitoring functionality, either remotely or locally over TCP/IP. System alarms can be sent to up to 11 unique IP addresses from Strata CIX, as well as to the system eMonitor maintenance console via SNMP traps. Alarms can be sent from multiple networked Strata CIX nodes to one or more eMonitor consoles. eMonitor software is available, at no charge, on the Toshiba Internet FYI site.
- **Centralized Network Station Message Detail Recording (SMDR)** – The SMDR information from each Strata CIX system, connected over a TCP/IP Strata Net network, can be sent to a central SMDR system. Separate SMDR equipment is not needed at each node. Dealer supplied Call Accounting software can be located on a single Call Accounting Server that can receive SMDR call data from each Strata CIX node. Users having dealer supplied Call Accounting client software can retrieve reports from the server from any location.
- **Traffic Measurement and Reporting** – Technicians and system administrators can monitor the effectiveness of the system resources for proper traffic balance. New traffic reports include outgoing and incoming trunk group usage, "all circuits busy" reporting for DTMF and conference circuits. The reports are stored on the processor's SD flash memory card locally, and reports can also be sent to a remote device over a TCP/IP or RS-232 connection. Traffic reporting is set up based on day of week and time of day. Reports are easy to read, time-stamped files that are generated and sent out hourly. No additional hardware is needed to support the new Traffic Measurement features.
- **Enhanced Remote Update and Backup/Restore** – Installation technicians and system administrators will appreciate the improved ease of remote upgrades, back-up capabilities, and restore functionality that make all of these tasks faster and easier to manage than in previous versions. Local and remote update files, consisting of approximately 200 small files in previous versions, are now one large file in Release 4.0, so upgrades are simpler. Remote update utilizes one file instead of multiple files to reduce the time necessary to send the upgrades from eManager to the remote Strata CIX system.

New Processors Make Strata CIX More Powerful

Release 4 processors provide more memory for expanded features and functionality. With four times as much embedded DRAM memory (from 16MB to 64MB) as previous versions, Release 4 prepares the Strata CIX platform for new applications being developed both by Toshiba as well as third-parties developing applications via the Toshiba Application Development Program launched earlier this year.

New Release 4 Part Numbers

System	Release 3.1 Processor	Release 4.0 Processor
CIX100-S	ACTU2A-S (Cannot be upgraded to R4.0)	ACTU3A-S
CIX100	ACTU2A (Cannot be upgraded to R4.0)	ACTU3A
CIX200	LCTU1A (Can be upgraded to R4.0)	LCTU1A
CIX670 Basic	BCTU1A (Cannot be upgraded to R4.0)	BCTU2A
CIX670 Expanded	BEXU1A (Cannot be upgraded to R4.0)	BEXU2A

- **CIX100-S Common Control Processor Unit (ACTU3A-S)** – The Strata CIX100-S Release 4 processor is a single-card common control unit, with a high-speed 32-bit RISC processor, 64MB DRAM working memory, SRAM with lithium battery on-board flash program memory, and removable 512MB Toshiba Secure Digital flash memory (16 bundled ports, maximum ports 112).
- **CIX100 Common Control Processor Unit (ACTU3A)** – The Strata CIX100 Release 4 processor is a single-card common control unit, with a high-speed 32-bit RISC processor, 64MB DRAM working memory, SRAM with lithium battery on-board flash program memory, and removable 512MB Toshiba Secure Digital flash memory (32 bundled ports, maximum ports 112).
- **CIX200 Common Control Processor Unit (LCTU1A)** – The Strata CIX200 processor is a single-card common control unit, with a high-speed 32-bit RISC processor, 64MB DRAM working memory, SRAM with lithium battery on-board flash program memory, and removable 64 MB SmartMedia flash memory (32 bundled ports, maximum ports 192).
- **CIX670 Common Control Processor Unit (BCTU2A)** – The Strata CIX670 Release 4 processor is a single-card common control unit, with a high-speed 32-bit RISC processor, 64MB DRAM working memory, SRAM with lithium battery on-board flash program memory, removable 512MB Toshiba Secure Digital flash memory, and handles up to 64 bundled ports, maximum 192 ports. The BEXU2A sub-assembly can be added to expand capacity from 192 to 672 ports.

New Flash Media Cards Deliver Greater Performance

Strata CIX100 and CIX 670 Release 4 processors include a larger capacity 512MB Secure Digital flash memory card, replacing the 64MB Smart Media card found on Release 3 processors. This makes upload/download functions faster and more efficient.

With no moving parts and removable media, the SD flash card provides better reliability and life span than similar PBX systems using hard drives for customer programming database storage.

The switch from SmartMedia to SD format is an important change, as SmartMedia continues to decrease in availability and SD emerges as a more established standard and more cost-effective in higher capacity sizes.

Upgrades

Existing Strata CIX100 and CIX670 customers upgrading to Release 4.0 must replace their processor card. Existing Release 3 processors are not field upgradeable to Release 4 and will not support Release 4.0 software. Release 2 and Release 3 processors do not have sufficient DRAM memory to load Release 4.0 software.

Existing Strata CIX200 customers can upgrade to Release 4.0 software with a simple software update. Release 3 CIX200 processors already have 64MB DRAM memory, so no processor replacement is necessary. However, a higher-capacity Smart Media flash memory card may be required to store large quantities of Traffic Measurement logs on a CIX200 LCTU1A processor.

Licensing

Strata CIX Release 4.0 processor license part numbers and prices are the same as Release 3 processor license part numbers and the prices.

Existing Strata CIX customers can upgrade to Release 4 and transfer all licensing from their Release 3 processor to their Release 4 processor. License transfer is for like processors only. Release 3 - ACTU2A licenses can be transferred to R4 - ACTU3A processors, R3 - BCTU1A licenses can be transferred to R4 - BCTU2A processors.

Pricing

Pricing of the Strata CIX Release 4 processors is the same as Release 3 processors. Strata CIX systems now have a more powerful processor, with larger SD flash memory storage, expanded value at no increase in price!

See the updated Toshiba Authorized Toshiba Dealer Price Book and CIX Quote R4.0A01 on FYI for all the details.

System Packages

The existing Strata CIX system Package part numbers, configurations and prices will remain in the same but will now contain Release 4 processors.

Availability

The Strata CIX100-S, CIX100, CIX200, and CIX670 Release 4 processors will be available for ordering and shipping Wednesday, November 23, 2005. All new system sales of Strata CIX systems shipping after that date will include Release 4 processors.

There is a limited number of Release 3 processors that will be available while supplies last.