

March 2000
SBDK-0049

427105

Announcing Availability of Strata DK424 Release 4.15

We are very pleased to announce that Release 4.15 for the Strata DK424 Digital Business Telephone System is now available.

Release 4.15 contains enhancements to the Primary Rate Interface (PRI) and Basic Rate Interface (BRI) services currently available in the Strata DK424. This includes the ability to reserve channels for multiple DNIS numbers, such as order entry centers, and the ability to provide incoming call access at all times. The enhanced Call-by-Call feature enables incoming call overflow and outgoing call Least Cost Routing (LCR) routing between trunk groups to provide full access. Another added feature is the ability for an LCD display to show a calling party's identity when the phone is busy on another call.

New Features

The following feature enhancements are available in Release 4.15.

Enhanced Call-by-Call Function

There are two features included in the enhanced Call-by-Call function: Min/Max Control and Time Zone Assignments.

- ◆ **Min/Max Control** – This control enables programming a minimum and maximum number of trunks by type to a trunk group within a channel group. By using the Min/Max control, customers can “over subscribe” the PRI interface. This means that unlike T1, where the maximum number of trunks available equals the maximum number of channels on the interface (24), the PRI interface can have more trunks programmed than are physically available on the facility. The Min/Max values are used to set a minimum level of service by trunk type on the PRI, but in the event that a specific trunk type is not in use at a given time, the other available B-channels can be used for other trunk types without restriction.
- ◆ **Time Zone Assignments** – These assignments enable changing Min/Max values and B-channel bearer service types based on Time Zone (time of day) assignments. There are three programmable Time Zones that can be assigned to each trunk group. A maximum of three Time Zones can be assigned to any single channel group.
- ◆ **Calling Number Identification Service (CNIS) Enhanced Function** – CNIS controls the sending of the calling party's number at the time of placing an outgoing call. The CNIS Enhanced Function enables the individual user to set the status of the calling party's number that is sent with the ISDN call. Activation of blocking the outbound calling party information is controlled through the use of the codes and key combinations. These codes and keys, depending on system programming, can be used to supersede the blocking or sending of calling party information on an individual call basis. The use of

Toshiba America Information Systems, Inc.

Telecommunication Systems Division
9740 Irvine Blvd., Irvine, CA 92618-1697 (949) 583-3700
<http://telecom.toshiba.com>

this feature is to control privacy on outbound calls to the Public Switched Telephone Network (PSTN) over Integrated Services Digital Networking (ISDN) trunks.

- ◆ **Trunk Group Corresponding to Listed Directory Number (LDN) Code** – A new program (*66-7) has been established to assign up to 16 trunk groups to a channel group. This assignment will remove the previous requirement to assign all POTS trunks to one trunk group within a channel group. With Program *66-7, a single channel group can have multiple trunk group types assigned (Tie, FX, DID, etc.) and multiple POTS trunks groups.
- ◆ **Listed Directory Number (LDN) Buttons** – Another new program (*66-6) allows assigning single or multiple LDNs to flexible buttons on any telephone in the system. This allows private line and key system or pooled line key type operation.
- ◆ **“Start” Function Programmable in LCR for Immediate Dialing** – With this feature activated, the system immediately dials the number after the last digit is dialed on the dial pad, making dialing faster and more efficient. Users can just dial 9 and the phone number through LCR. They don’t have to press the **Start** button to avoid the four-second pause for the system to know dialing is complete. This function automatically eliminates the pause requirement by recognizing when the last digit is dialed, by the number of digits, and immediately places the call.
- ◆ **Non-Facility Associated Signaling (NFAS)** – NFAS provides channel sharing and the ability to create ISDN trunk groups beyond the 23 channels available with a single PRI. A single 64 Kbps D-channel on one PRI line can be used to handle the signaling for two PRI lines on the DK424 system, instead of the usual signaling that requires one 64 Kbps D-channel for each PRI line. This is very important when Call-by-Call Services are used since all B-channels must be controlled using a common D-channel. The Strata DK system will support one additional PRI (two circuits to be linked with one D-channel). This extends the number of Call-by-Call B-channels to 47 (2 x 24 minus 1). NFAS increases traffic handling and provides better performance and cost savings in high volume ISDN PRI applications.
- ◆ **Call Waiting LCD Display** – When a station is busy, information on a second call will display on the LCD, in addition to the busy override tone sounding. The user name displays on the LCD for internal calls. Caller ID/ANI/DNIS information displays on the LCD for external incoming calls. This is an important enhancement to the Call Waiting feature that previously sounded busy override tone, but did not provide LCD information on the second call. For intercom calls, the caller’s User Name is displayed on a busy station.

Product Line Strategy

Release 4.15 now becomes the standard version of the Strata DK424, replacing Release 4.1. Processors can still be ordered with Release 3.2 software for customers who need the Tie line toll restriction capabilities not available in Release 4.x. Release 4.15 also includes all software enhancements and corrections contained in previous Release 3.2, 4.0, and 4.1 versions.

Upgrades

Existing Strata DK424 and DK280 Release 3.x and 4.x systems can be upgraded to Release 4.15 to take advantage of the new capabilities. All that is needed is a ROM chip upgrade kit and DKAdmin or DKBackup, Version 4.1.1 or higher, to upgrade the system. DKAdmin is available from the Toshiba FYI Internet site http://fyi.tsd.toshiba.com/soft/key_sys/free/main.htm.

To make these upgrades easy, use DKAdmin or DKBackup to change ROMs without having to manually reprogram the system. The DKAdmin and DKBackup programming tools are easy to use with a menu driven spreadsheet format and help screens.

Toshiba will provide Release 4.15 upgrade kits at no charge for all existing Release 4.x processors. This is accomplished by giving full credit for the cost of the upgrade kit with the return of the 4.x ROM chips to Toshiba.

Release 4.15 upgrade kits are also very cost-effective for existing Release 3.x processors. Partial credit is given for the cost of the Release 4.15 upgrade kit upon return of the 3.x ROM chips to Toshiba. See the new *Strata DK Authorized Dealer Price Book* on the Toshiba FYI Internet site for details.

Pricing

All Strata DK424 processor PCBs shipped with Release 4.15 software are the same price as previous R4.x versions. Release 4.15 upgrade kits are the same price as Release 4.1 upgrade kits. See the new *Strata DK Authorized Dealer Price Book* on FYI Internet for all the details.

Availability

Release 4.15 is now available. All new orders for RCTUE/F processors are currently shipping with Release 4.15 software. RCTUC/D, RCTUBA/BB, and RCTUA processors that are ordered with Release 4 software will ship with R4.15 software beginning March, 2000.

Strata DK424 Release 4.15 ROM chip upgrade kits are now available. The part numbers are as follows:

- ◆ RCTUE3/F3 Release 4.15 upgrade kit - RURF4.15
- ◆ RCTUC3/D3 Release 4.15 upgrade kit - RURD4.15
- ◆ RCTUBA3/BB3 Release 4.15 upgrade kit - RURB4.15
- ◆ RCTUA3 Release 4.15 upgrade kit - RURA4.15

