

Announcing Strata CIX1200 Expanded Capacity

Product Summary

The Strata CIX1200 VoIP business communications system is here! Delivering big-company features at an affordable price for enterprises and branch locations. Bringing Toshiba quality, reliability and affordability to medium-to-large companies. Supporting up to 1,152 ports, the Strata CIX1200 system is designed for 200 to 1,000 users and delivers networked applications for as many as 128 sites.

Positioning

As its largest member, the Strata CIX1200 joins the Strata CIX family, now consisting of the CIX40, CIX100, CIX200, CIX670 and CIX1200. The Strata CIX1200 expands Toshiba's reach in the medium-to-large market segment, giving enterprises a robust Toshiba solution at nearly double the port capacity of our Strata CIX670. As with the entire Strata CIX family, the Strata CIX1200 gives users Toshiba's legendary quality and reliability in an affordable VoIP system that can be networked with up to 128 sites. The CIX1200 can be customized using Toshiba's FeatureFlex® adaptability tool, and provides a smooth migration path from smaller Toshiba systems. The Strata CIX1200 does not replace the CIX670, it expands the Strata CIX product line. The CIX1200 Basic and Expanded A configurations are the same port capacity as the CIX670 but offer expanded feature capability. The CIX1200 provides the same feature rich functionality as existing Strata CIX systems.

Value Propositions

Strata CIX1200 is the only system of its size to allow the user to adapt capabilities to their specific needs. Using FeatureFlex, Toshiba's feature adaptability and customization tool, the system can be tailored well beyond its standard system features, administrative options and programmable features. It allows enterprises to create user-definable features company wide, by department, or for individual users. Existing features can be modified, and new ones can be created, including features in CIX call processing, as well as blended features that work between all system applications and resources.

The Strata CIX1200 system can be networked with other Toshiba Strata CIX systems, from other CIX1200 systems all the way down to the small 40-port Strata CIX40 system. It can be networked for up to a total of 128 sites to accommodate larger capacity or distributed configurations.

The networking capabilities of the Strata CIX1200 system make it a perfect solution for a headquarters site that is networked to small or remote offices or retail/restaurant locations.

All Applications on a Single Server Delivers Clean Integration, Affordability

Toshiba Strata CIX1200 and all other Strata CIX models are compatible with Toshiba's Strata Media Application Server (Strata MAS), which delivers value-added application processing. The Strata MAS is one of the first application servers to use Host Media Processor (HMP) technology resources as an alternative to Dialogic boards in the server. HMP is more cost-effective and does not require card slots, making the server more compact and potentially trouble free.

Strata MAS integrates all value added applications such as voice mail/unified messaging, IVR, ACD and reporting, Video Conferencing and Collaboration, Web-based Personal and System Administration, and FeatureFlex customization tools all on one platform. This provides better application integration and significant cost savings over designs that require separate servers for each application.

Features and Capabilities

- **Strata Net Networking** — The Strata CIX1200 system can be networked with all of Toshiba's Strata CIX family, including the CIX40, CIX100, CIX200, CIX670, and other CIX1200 systems. This allows large companies to use the Strata CIX1200 for their main site, and smaller Strata CIX systems for branch offices or other remote locations, and allows smaller companies to expand as they grow.
- **Virtually All Features to All Toshiba Users, on Fixed or Mobile Devices** — Strata CIX1200 and the other Strata CIX models have been designed to deliver virtually every feature to every user, regardless of the type of Toshiba endpoint they are using, whether they are fixed or mobile. The system supports IP telephones, IP wireless telephones, IP soft phones on notebook and tablet PCs, and digital (TDM) and analog telephones.
- **Choice of Endpoints** — The Strata CIX1200 system and all Strata CIX systems are compatible with Toshiba's IP and digital telephones, including Toshiba's new IP5000 IP telephones, Attendant Consoles, Toshiba SoftIPT® soft phone for laptops and PDAs, and third-party SIP telephones (as tested by Toshiba).
- **Traditional Business Telephone Features in an IP System** — The Strata CIX1200 system delivers virtually all the features and functionality of Toshiba's traditional digital business telephone systems, taking advantage of decades of experience serving enterprises with voice solutions.
- **Ability to Mix and Match IP and Digital on a Single System** — Unlike many competitive IP systems, Strata CIX1200 can be TDM-enabled, giving users a choice of running a pure IP system or a mix of IP and digital TDM. This allows users to choose how they will maximize their systems and migrate existing equipment.
- **Strata Media Application Server (MAS) Compatibility** — Multiple applications can be combined on a single media application server platform. Applications include Auto Attendant, Voice Mail, Automated Speech Recognition, Text to Speech, Unified Messaging, Fax Integration, Interactive Voice Response, Automatic Call Distribution and Reporting, Web-based Personal and System Administration, Web-based Telephone Applications, FeatureFlex adaptability tool that allows users to customize and add features, and other third party applications. Strata MAS comes standard with Toshiba's Voice Processing/unified messaging solution, My Phone Manager® personal administration tool, and eManager® system administration tool.
- **Video Communication Solution (VCS®) Compatibility** — Toshiba's VCS provides affordable point-to-point video conferencing, desktop/application sharing, file transfer and message board capabilities for up to three parties.

Pricing and Availability

Strata CIX1200 system pricing is now in the online price book and CIX Quote version 5.2D01. The Strata CIX1200 is scheduled to begin shipping on August 5, 2008.

CIX1200 Bundles

Package pricing is available to make Strata CIX1200 system pricing more cost-effective. The packages are shown in the table below. Refer to the online price book on FYI for details.

Bundle Part Number	Each Bundle Includes
CIX1200BASEPK	HCTU1A, SD-1GB, AMDS1A, CHSUB672A+PS, HECP1A
CIX1200BASEPKR	HCTU1A, SD-1GB, AMDS1A, CRSUB672A
CIX1200IPPKG	HCTU1A, MIPU16-1A, SD-1GB, AMDS1A, CHSUB672A+PS, HECP1A
CIX1200IPPKGGR	HCTU1A, MIPU16-1A, SD-1GB, AMDS1A, CRSUB672A
CIX1200VMPKGLG	HCTU1A, HEXBU1A, SD-1GB, AMDS1A, CHSUB672A+PS, HECP1A, 32 LIC-4 BASIC and BWDKU1A (Additional parts must be ordered with this package)
CIX1200VMPKGLGR	HCTU1A, HEXBU1A, SD-1GB, AMDS1A, CRSUB672A, 32 LIC-4 BASIC and BWDKU1A (Additional parts must be ordered with this package)

CIX1200 Licensing

The Strata CIX1200 system uses the same license part numbers as the CIX670 system. All current CIX670 licenses can be transferred to a new CIX1200 processor. Only one new license has been added for the CIX1200 system, the LIC1200STRATA N is the Strata Net system license. The LIC670-STRATA N license can be transferred to a new Strata CIX1200 system processor.

For license transfer policies and details go to the Toshiba FYI website, select License Codes > System Upgrades.

The Table below lists the default licenses included with the Strata CIX1200.

Part Number	Default
LIC-4 BASIC	64
LIC-SER PORT	1
LIC-4 DTMF	4
LIC-2 LVMU	2
LIC-ATT, LIC-ACD, LIC1200-CSTA-AP, FF, TAPI, LIC1200STRATA N, LIC-SOFTIPT, LIC-CIX-IP PORT, LIC-CIX-STRN-CH, LIC-CIX-SIPT-CH, LIC-1 DP5022SDM	0

Software/Firmware Requirements

- CIX HCTU software R5.2, MT010-13 or above
- Network eManager V520A04b or above
- MIPU * MIPU0114 or above
- LIPU * LIPU0205 or above
- MyPhone Manager R520V02 or above
- WinCIX R520V01 or above
- CIX Quote R5.2D01 or above

Note * LIPU and MIPU cards installed in cabinets connected to the base cabinet with fiber optic cables must be V2 or later. Using earlier versions may cause intermittent problems on IP telephones interfaced to those cards.

Do not install BIPU cards in cabinets connected to the base cabinet with fiber optic cables.

Training

Sales and Technical training is available on-line.

Compatibility and Migration

Easy Migration to Strata CIX1200 from Other Toshiba Strata CIX Systems makes growth and expansion very cost-effective and protects your investment.

Toshiba has retained its renowned migration path with the Strata CIX1200. Users of other Toshiba Strata business communication systems can easily migrate their systems to the new Strata CIX1200. Telephones and almost all system interface cards may be re-used as well as voice mail systems and the Strata MAS with resident applications. Providing a smooth migration path gives users the ability to retain much of their original investment, while they gain the benefits of the larger system and its additional capabilities.

All Strata DK424i and Strata CTX/CIX670 systems can be upgraded to CIX1200. All that is required is to replace the existing processor cards with the new CIX1200 processor cards then, add RRCU cards, fiber optic cables and cabinets. Once upgraded, the CIX1200 system has all the CIX670 features plus almost double the capacity of a CIX670 system. The new CIX1200 processor card allows new or existing DK424i and CIX670 systems to grow to any combination of 1000 telephones and 440 trunk lines, up to the system maximum of 1152 ports. The new processor card installs in the current DK424i/CIX670 cabinets and uses all existing DK424i/CIX670 parts including base and expansion cabinets, licenses, telephones, and most circuit cards. By installing the new processor, the system can be expanded to 12 cabinets, 5 more than the current DK424i/CIX670 systems.

The table below summarizes maximum capacity comparisons. Refer to “System Capacities” on page 30 for detailed lists.

System Capacity Comparison			
Hardware/Software Items	DK424i	CTX/CIX670	CIX1200
Wall/Floor Mount Cabinets Base (CHSUB672A+PS)+ Expansion (CHSUE672A+PS)	5	7	12
Rack Mount Cabinets Base (CRSUB672A)+ Expansion (CRSUE672A)			
Cabinet Universal Slots	48	68	118
CO Lines and Station Ports combined	432	672	1152
IP Endpoints	(no IP)	560	1000
Digital Stations	336	552	952
Analog Station	328	544	944
CO Lines – all types (SIP, Strata Net, T1, PRI and Analog combined)	196 (no IP)	264	440
Attendant Consoles	4	4	6

CIX1200 Configurations

The maximum configuration of the CIX670 is seven cabinets; one Base Cabinet and up to six Expansion Cabinets. The CIX1200 can be configured with up to 12 cabinets; one Base Cabinet and 11 Expansion Cabinets. The maximum configuration will support 1152 ports. Refer to Table 1, CIX1200 Processor Cards and System Capacity, below.

- The **CIX1200 Basic** is the same size and configuration as the CIX670 Basic, one Base and One Expansion cabinet with the increased feature capacity shown in [Table 17 on Page 33](#).
- The **CIX1200 Expanded A** is the same size and configuration as the CIX670 Expanded, one Base and up to six Expansion cabinets for a total of seven cabinets with the increased feature capacity shown in [Table 17 on Page 33](#).
- The **CIX1200 Expanded B** configuration allows the full 12 cabinet, 1152 port capacity. Refer to [Table 17 on Page 33](#).

The new processor cards are the basis of the new CIX1200.

Table 1 CIX1200 Processor Cards and System Capacity

	CIX1200 Basic	CIX1200 Expanded A	CIX1200 Expanded B
Processor Card Set(s)	HCTU1	HCTU1+ HEXAU1	HCTU1+ HEXBU1
Maximum Cabinets	2	7	12
Ports	192	672	1152

The full size CIX1200 Expanded B system (HCTU1+HEXBU1) is configured in two equipment stacks.

- The Base Cabinet Equipment Stack with the Base Cabinet and up to six expansion cabinets
- The Expansion Cabinet Equipment Stack with up to five expansion cabinets

The first six expansion cabinets of a CIX1200 system are connected to the Base Cabinet using the same ribbon cables as a CIX670 system. Cabinets 8, 9, 10, 11 and 12 are connected to the Base Cabinet through dealer supplied fiber optic cables. Each Fiber Optic cable, connecting an RRCU card in the base stack to an RRCU in an expansion cabinet, can interface one or two expansion cabinets. Refer to Figure 8. Any of the first six expansion cabinets can be located at a remote location by using RRCU cards and fiber optic cables.

SD Memory Card Compatibility

In addition to storing the system database and program file, the SD memory card can also store system log files. The Strata CIX1200 system is compatible with Toshiba brand 512 MB, 1 GB, 2 GB, and 4 GB-SDHC memory cards. The system limits the amount of memory available for log files. The 1 GB and larger memory cards can store approximately 13 times (or more) the number of log files as the 512 MB SD card. The greater the number of log files stored on the SD card the longer the system requires to become ready after a power up, system reset, or initialization. When using 1 GB and larger SD cards to store log files, the SD card should be replaced every two years. The smaller memory cells in the large capacity SD cards will not last as long as the larger, low capacity memory cards.

Note The SD must be formatted on the CIX1200 system, not a PC.

Processor Cards

The Strata CIX1200 processors come in three configurations.

- **HCTU1A** - for the CIX1200 Basic, up to 192 ports, is a single card installed in base cabinet slot B102.
- **HEXAU1A** - for the CIX1200 Expanded A, up to 672 ports, an HCTU1 with a HEXAU1 daughter board installed in slot B102 and connected to an EEXAS1 card in slot B101.
- **HEXBU1A** - for the CIX1200 Expanded B, up to 1152 ports, an HCTU1 with a HEXBU1A daughter board installed in slot B102 and connected to an EEXBS1 card in slot B101.

Note The EEXAS1 and EEXBS1 cards are not ordered separately.
The EEXAS1 card is packed in the box with the HEXAU1 card.
The EEXBS1 card is packed in the box with the HEXBU1 card.

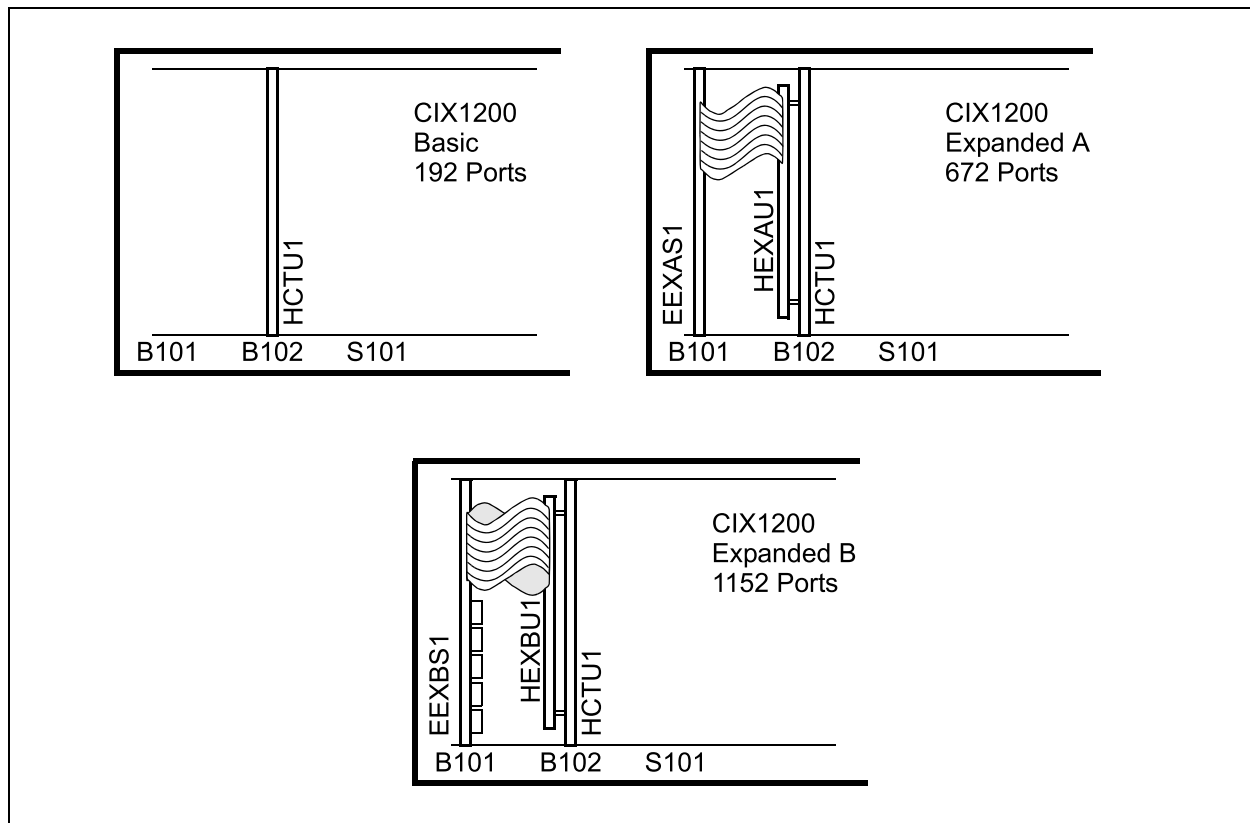


Figure 1 Processor Card Configurations

Database Backup and Restore

Existing CIX670 systems can be upgraded to a CIX1200 system. A CIX670 system database backup can be restored to a CIX1200 system, simplifying an upgrade. No other Strata system database backup can be restored to a CIX1200 system.

Backup From	Can Be Restored To		
	Basic	Expanded A	Expanded B
BBCU1A/BECU1A BCTU1A BCTU2A	HCTU1A only	HCTU1A+ HEXAU1A	HCTU1A+ HEXBU1A
BBCU1A/BECU1A/BEXS/BBMS BCTU1A/BEXU1A BCTU2A/BEXU2A	--	HCTU1A+ HEXAU1A	HCTU1A+ HEXBU1A

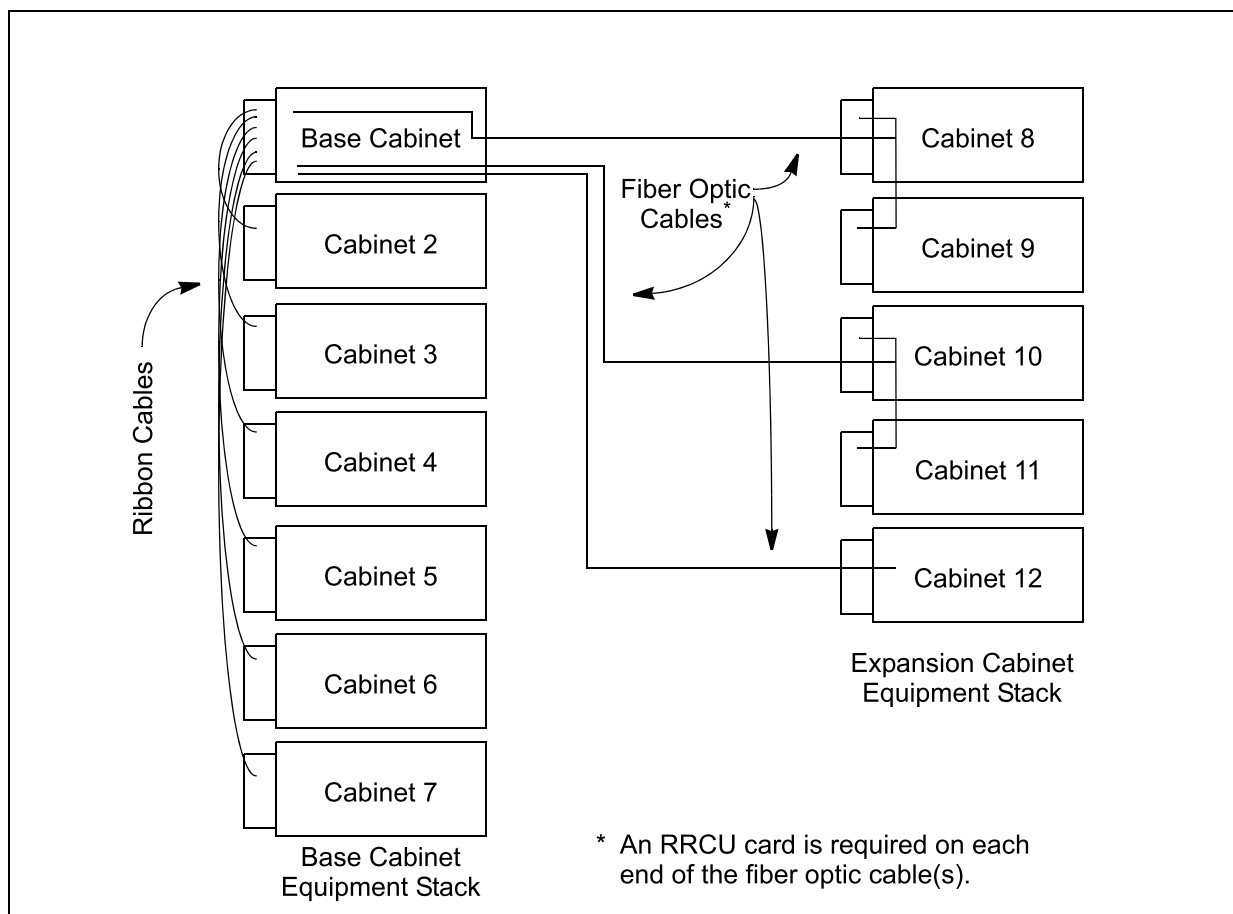


Figure 2 Inter-Cabinet Cable Overview

The table below shows the parts required to add expansion cabinets eight through 12. These configurations all require an HCTU1A + HEXBU1A processor card set installed in the Base cabinet. When upgrading a wall/floor-mount base cabinet refer to HEC1A EMC Shield Kit on Page 27.

CIX1200 8 to 12 Cabinet Equipment List					
ITEM	8 Cabinets	9 Cabinets	10 Cabinets	11 Cabinets	12 Cabinets
RRCU1A	2	2	4	4	6
HDCL1A-M	1	2	3	4	5
Fiber Cable ¹	1	1	2	2	3
BDCL1A-MS1	1	1	2	2	3
BDCL1A-S2	0	1	1	2	2
CHSUE672A+PS or CRUSE672A (Expansion Cabinet)	1	2	3	4	5

1 Each is a multi-mode cable with separate transmit and receive connectors on each end. One two-conductor or two single-conductor cables. Fiber optic cables are dealer supplied.

Each stack can be rack-mount or wall/floor-mount cabinets. Each stack is assembled according to the procedures in the Strata CIX Installation and Maintenance Manual.

The Expansion Cabinet Equipment Stack can be a maximum of 1.86 miles (3 km) from the Base Cabinet Equipment Stack. One RRCU circuit card connects to up to two Expansion cabinets via a single multi-mode fiber-optic cable pair. One fiber cable pair can support one or two expansion cabinets using one RRCU in the Base Cabinet and another in the Expansion Cabinet.

The type of cabinets in an equipment stack must be the same. Do not mix rack-mount and wall/floor mount cabinets within a stack. The equipment stacks do not need to match. An existing wall-mount CIX670 system can be expanded to a CIX1200 system by connecting a second equipment stack of rack-mount expansion cabinets.

Expansion Cabinets connected by fiber optic cables support the BIOU for external Page Zones, Night Bell, etc., and all CO line and trunk interface PCBs.

Digital Trunk Interface Card Location

For proper Strata CIX system processor Time Switch synchronization with ISDN and T1 lines must be setup as follows.

- PRI and T1 cards, programmed as the Primary or Secondary clock source ("System Data" command), must be installed in the base cabinet or an expansion cabinet connected to the base cabinet with ribbon cable.
- Do not install Primary or Secondary clock source PRI and T1 cards in expansion cabinets connected to the base cabinet stack with fiber cables.

Processor Options

HCTU1A Processor

The optional BSIS RS232 interface and AMDS maintenance modem cards install onto the HCTU1 card as shown in Figure 3.

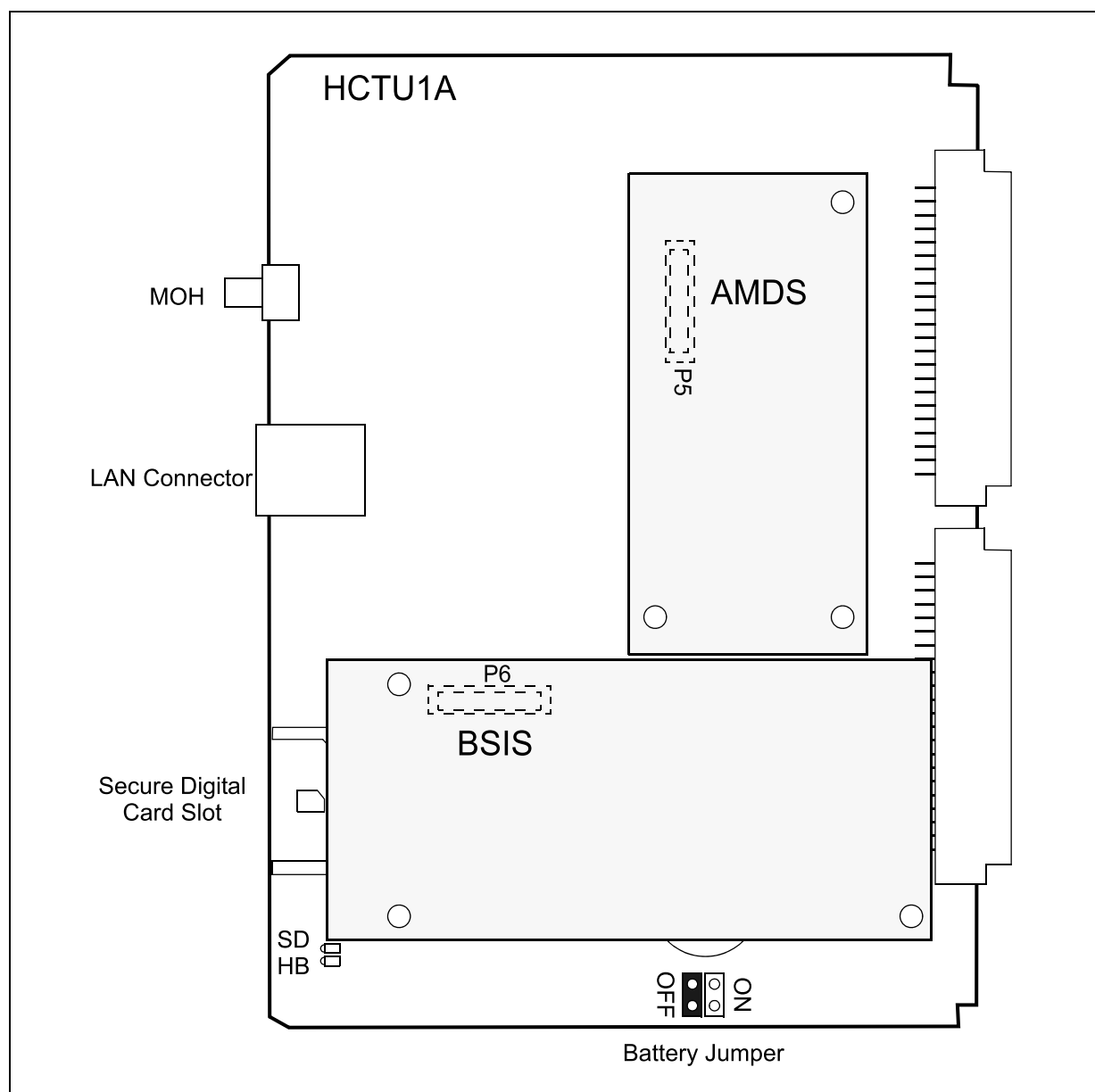


Figure 3 BSIS and AMDS Cards in the HCTU1

HEXBU1A Processor Daughter Card

The HEXBU1A plugs onto the HCTU1 card and connects to the EEXBS1 extender via two ribbon cables. Refer to Figure 1. This processor card set will support the maximum Expanded B system configuration of 1152 ports.

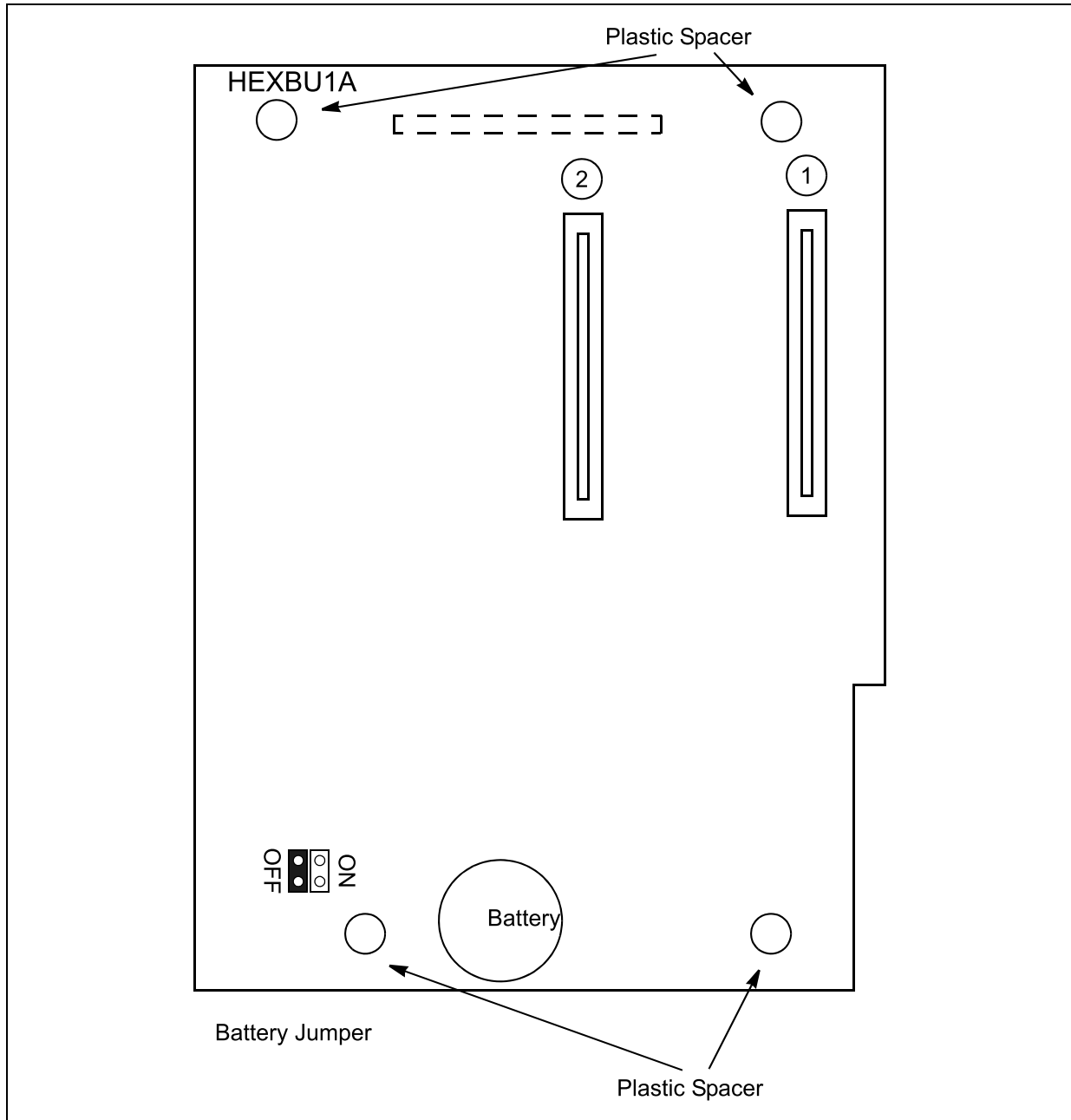


Figure 4 **HEXBU1 Processor Daughter Card**

HEXAU1A Processor Daughter Card

The HEXAU1A plugs onto the HCTU1 card and connects to the EEXAS1 extender via a ribbon cable. Refer to Figure 1. This processor card set will support the Expanded A system configuration of 672 ports.

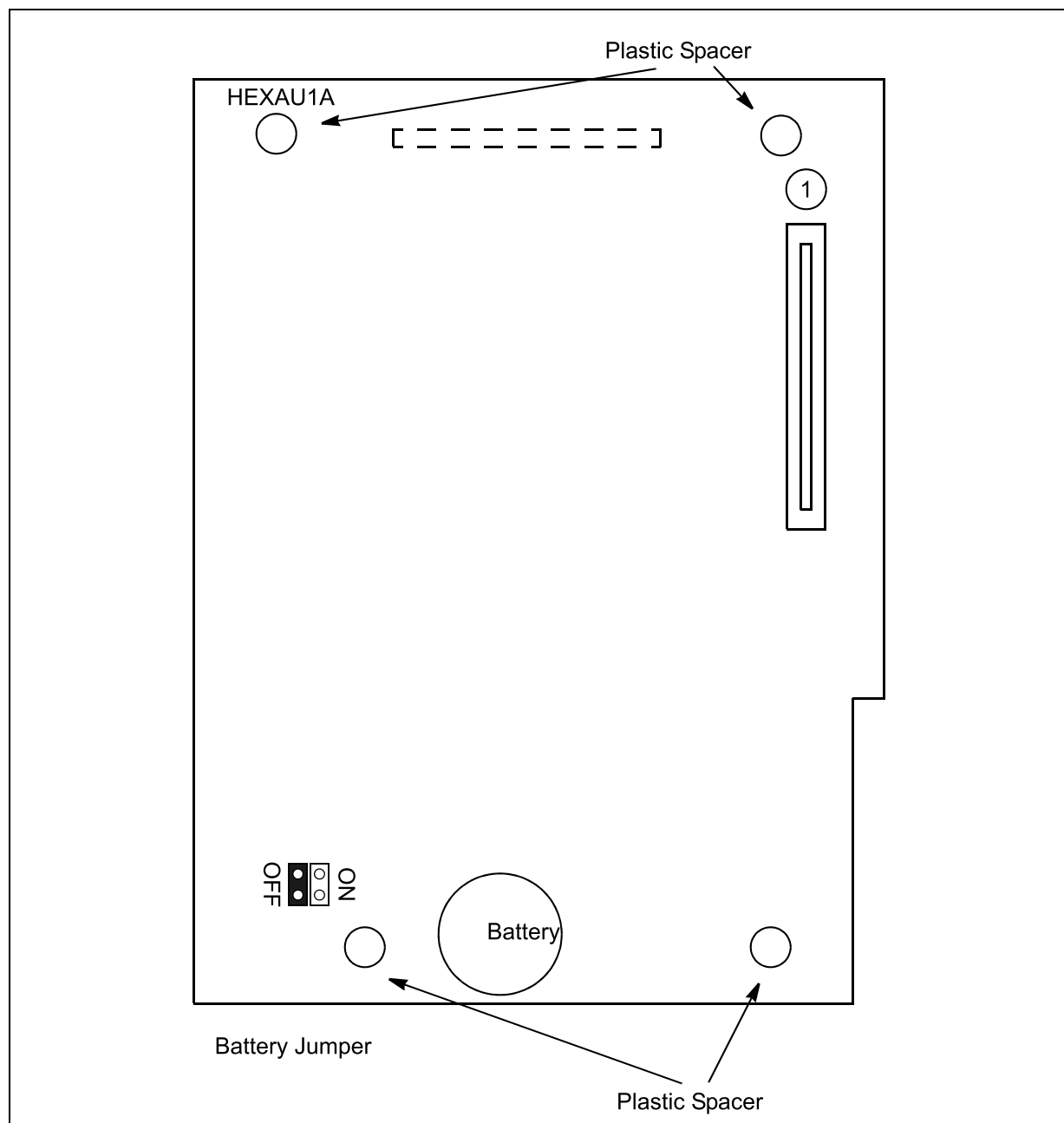


Figure 5 **HEXAU1 Processor Daughter Card**

Fiber Optic Interface

The fiber optic interface for the Strata CIX1200 is the same RRCU1A card used to interface CIX670 Remote Cabinets. Refer to Figure 6. Each RRCU drives a multi-mode fiber optic cable pair and is capable of interfacing two cabinets. Refer to Figure 8.

The location of the RRCU cards is relatively non-critical but, the HDCL1A-M cables must reach from the EEXBS card connectors (refer to Figure 10) to the RRCU card edge connectors (refer to Figure 6). The Base Cabinet Equipment Stack RRCU cards will all be placed in the Base Cabinet or in a cabinet immediately above or below the Base Cabinet. The RRCU does not use time slots or connect to the backplane switching at all. The RRCU card only draws power from the cabinet backplane. HDCL1A-M cables will, typically, reach the first four or five slots of the cabinet above or below the RRCU and all (except B101 and B102) slots in the base cabinet. Refer to Figure 7.

In the Expansion Cabinet Equipment Stack RRCU card placement is limited by cable length. While the configuration tables and figures always show the RRCU in the even-numbered expansion cabinets, they could be placed in an odd-number cabinet.

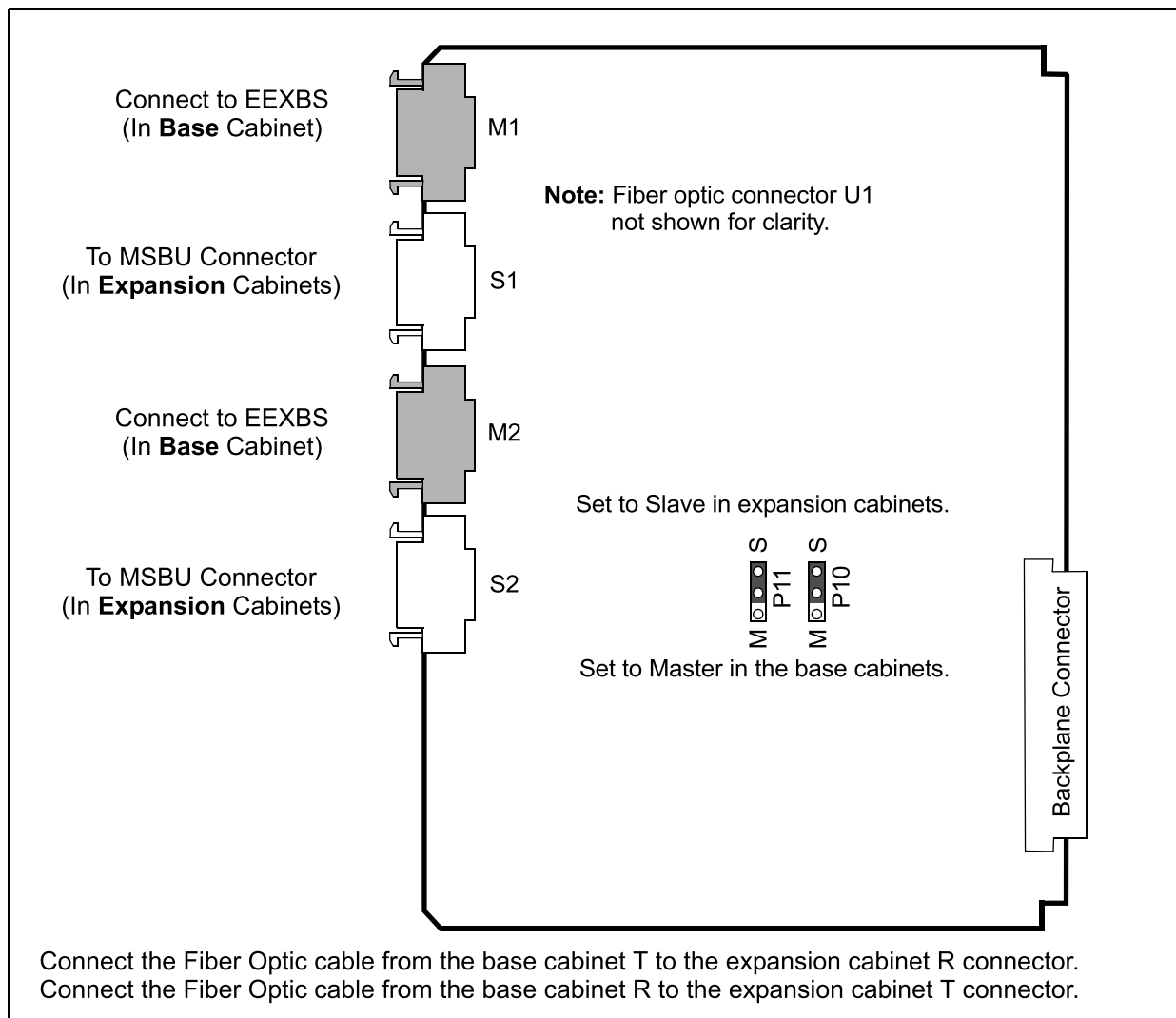


Figure 6 RRCU Fiber Optic Interface Card

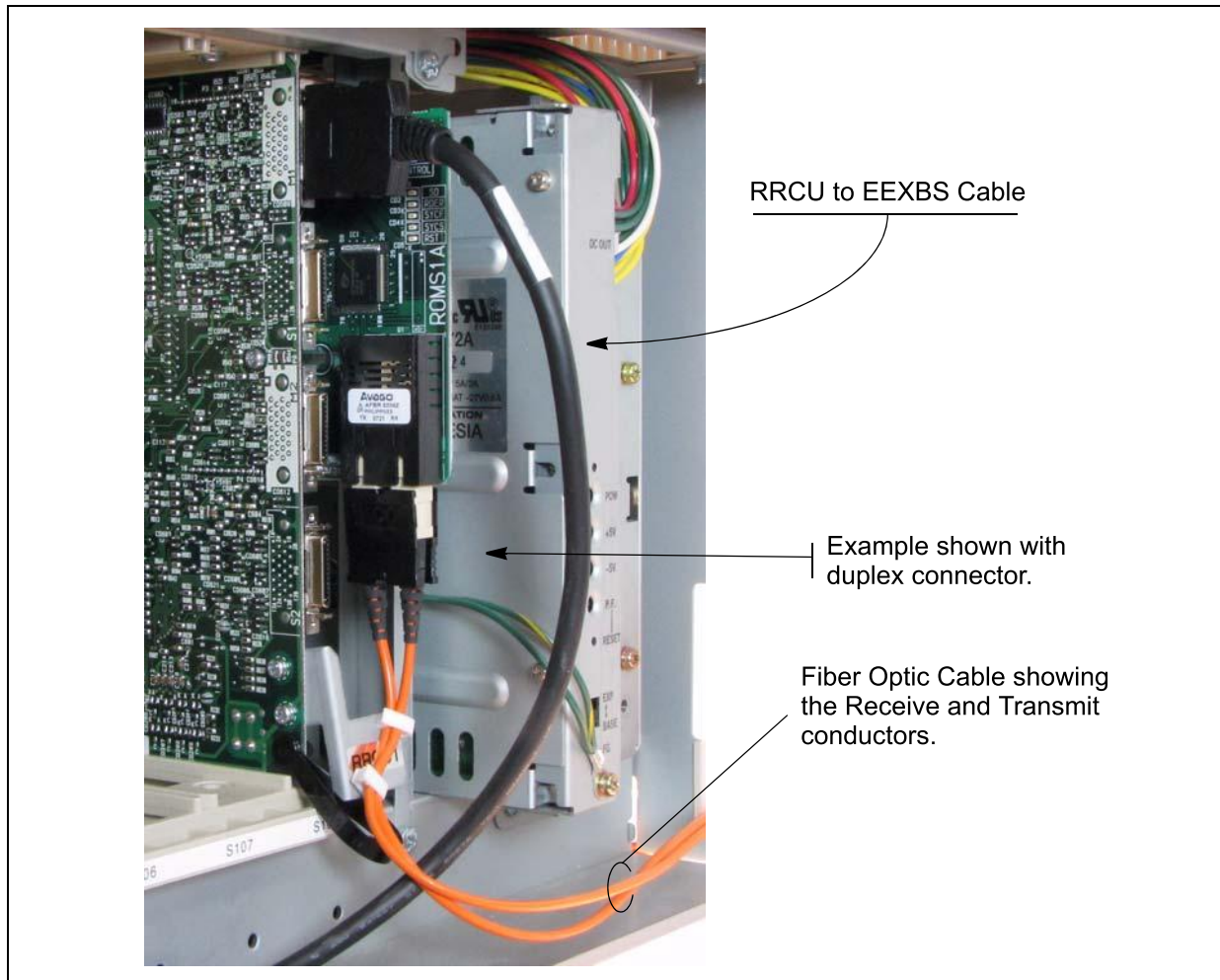


Figure 7 RRCU Card with Fiber Optic and HDCL1A-M Cables

Fiber Optic Cable Characteristics

The fiber connection must conform to the specifications shown in Table 2. Addition information is available in the Strata CIX Installation and Maintenance Manual.

Table 2 Fiber Optic Specification

Item	Specification
Fiber Type	Multi-mode, Graded Index Fiber (GIF)
Core Diameter	50 or 62.5 micrometers
Cladding Diameter	125 micrometers
Connector Type	SC (2-pin transmit and receive)
Maximum Fiber Length	3 km (1.86 miles) (500~1000 MHz/km fiber) 2 km (1.24 miles) (200~400 MHz/km fiber)

Note The fiber optic connection between two RRCU cards can one two-conductor cable or two single-conductor cables. When using two cables ensure that the cards are connected Tx to Rx.

CIX1200 Inter-Cabinet Cables

The tables on the following pages list the highway interface cables for eight to 12 cabinet systems. Figure 8 provides an overview of the point-to-point cabling described in the tables.

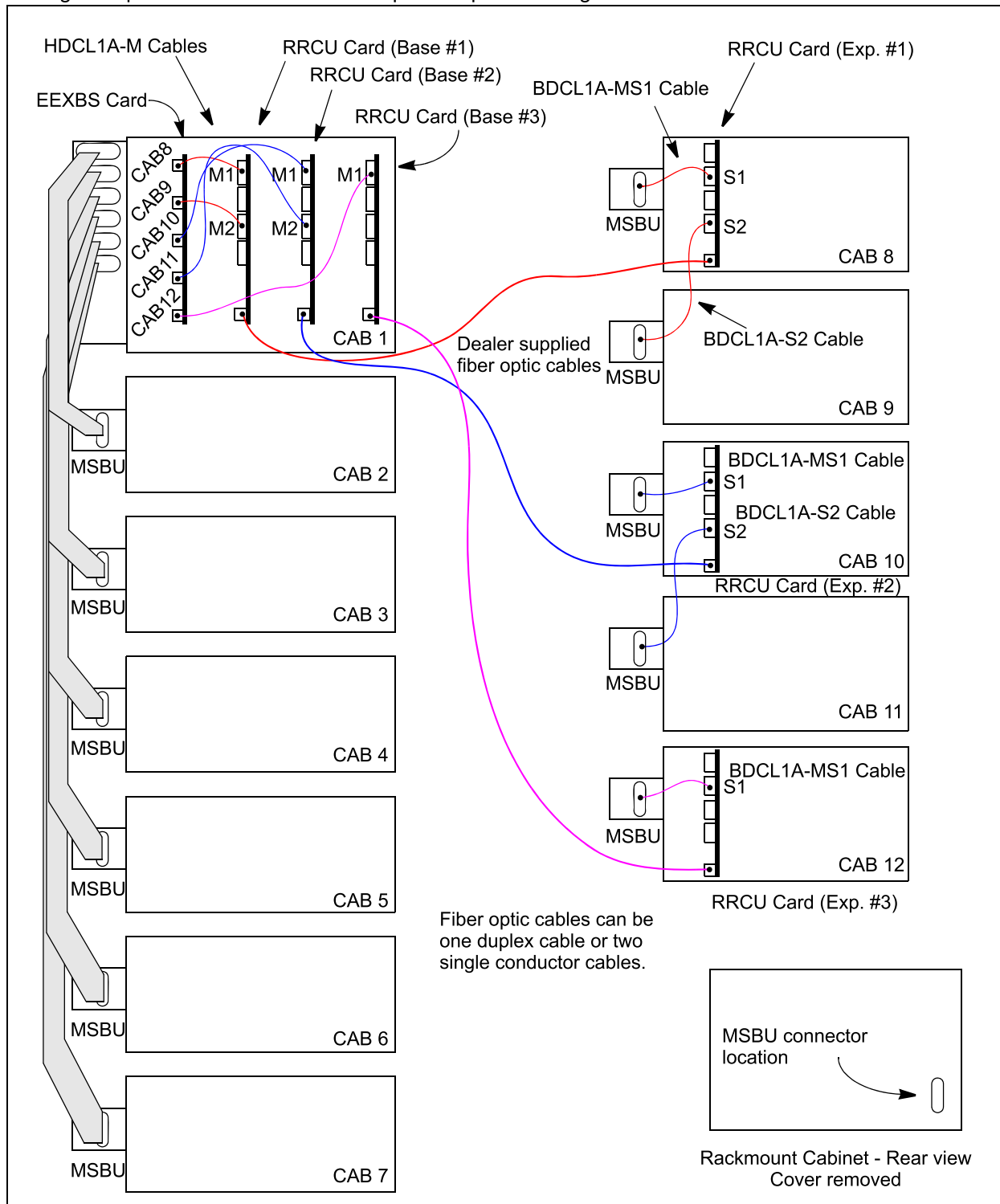
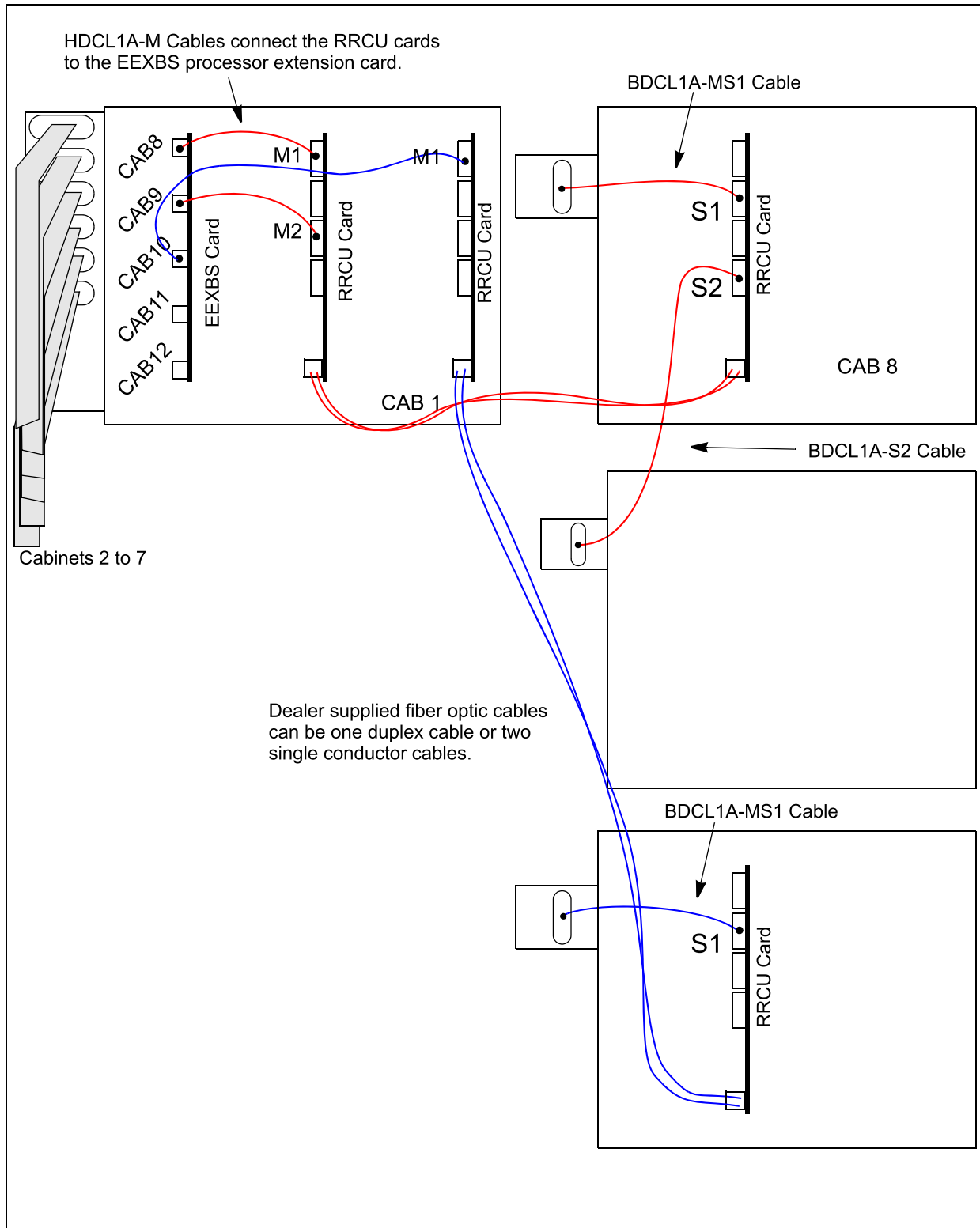


Figure 8 CIX1200 Full System Inter-Cabinet Cables for Wall/Floor Mount

**Figure 9** Cable Detail of 10 Cabinet System

Base Cabinet Interface to Expansion Cabinet 8 ~ 12

The interface cable connections, in the base cabinet, for expansion cabinets 8 ~12 are on the EEXBS1 card. Refer to Figure 10. These cables connect to the RRCU cards in the base cabinet (or an adjacent cabinet). As shown in Figure 8.

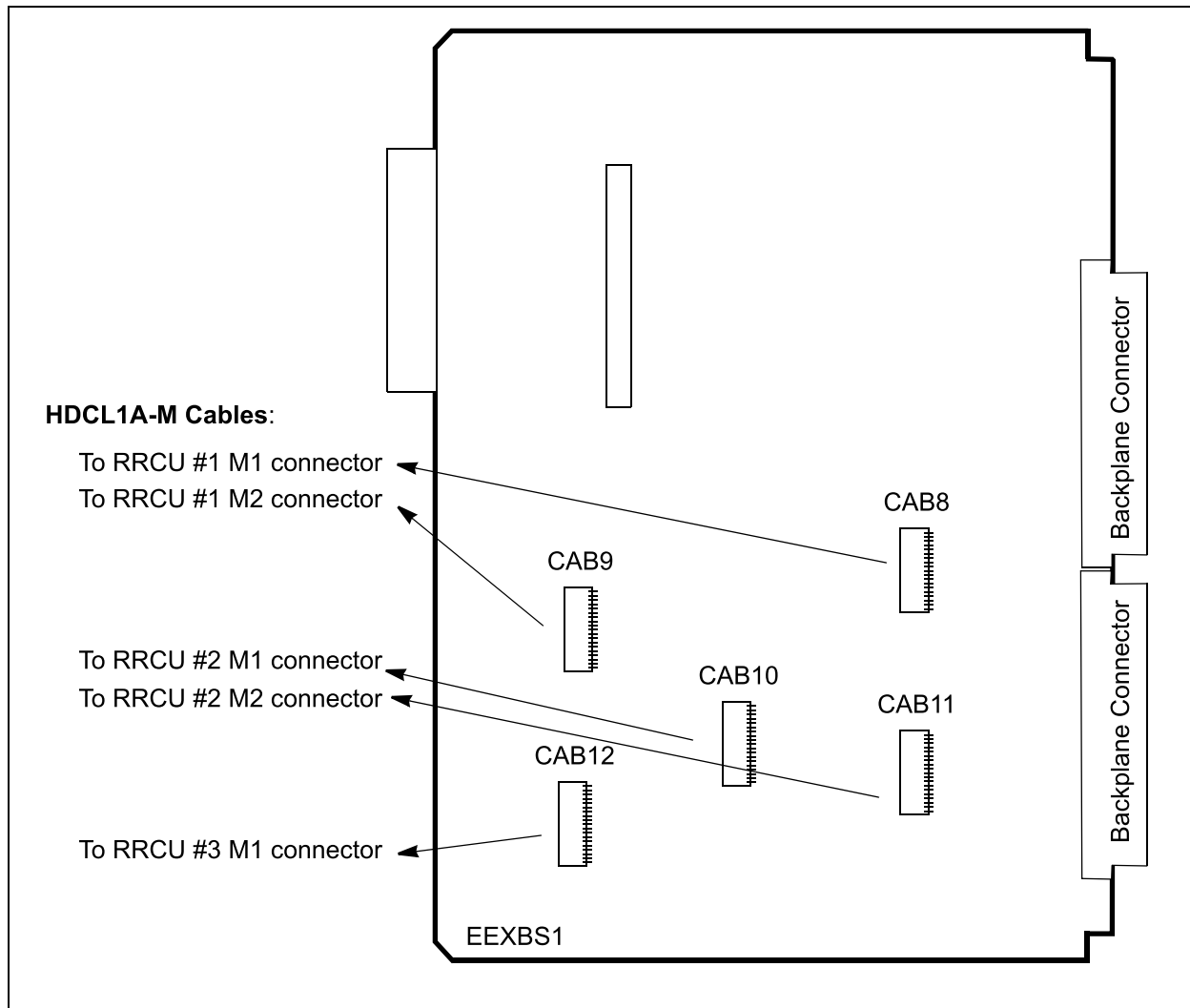


Figure 10 EEXBS Processor Card Highway Connections

The tables on the following pages list the highway interface cables for eight to 12 cabinet systems.

Note The multi-mode fiber optic cables reference in the following tables can be one duplex or two single conductor cables.

Table 3 8 Cabinet System

8 Cabinets - Base Cabinet Stack				
From		Cable	TO	
Card	Conn.		Card	Conn.
RRCU #1	M1	HDCL1A-M	EEXBS1	CAB8
Base Stack RRCU #1	U1	Fiber Optic Cable #1	Expansion Stack RRCU #1	U1

8 Cabinets - Expansion Cabinet Stack			
From		Cable	TO
Card	Conn.		
RRCU (#1)	S1	BDCL1A-MS1	Cabinet 8 MSBU backplane Connector
Base Stack RRCU #1	U1	Fiber Optic	Expansion Stack RRCU #1

Table 4 9 Cabinet System

9 Cabinets - Base Cabinet Stack				
From		Cable	TO	
Card	Conn.		Card	Conn.
RRCU #1	M1	HDCL1A-M	EEXBS1	CAB8
RRCU #1	M2	HDCL1A-M	EEXBS1	CAB9
Base Stack RRCU #1	U1	Fiber Optic Cable #1	Expansion Stack RRCU #1	U1

9 Cabinets - Expansion Cabinet Stack			
From		Cable	TO
Card	Conn.		
RRCU (#1)	S1	BDCL1A-MS1	Cabinet 8 MSBU backplane Connector
RRCU (#1)	S2	BDCL1A-S2	Cabinet 9 MSBU backplane Connector
Base Stack RRCU #1	U1	Fiber Optic	Expansion Stack RRCU #1

Table 5 10 Cabinet System

10 Cabinets - Base Cabinet Stack				
From		Cable	TO	
Card	Conn.		Card	Conn.
RRCU #1	M1	HDCL1A-M	EEXBS1	CAB8
RRCU #1	M2	HDCL1A-M	EEXBS1	CAB9
RRCU #2	M1	HDCL1A-M	EEXBS1	CAB10
Base Stack RRCU #1	U1	Fiber Optic Cable #1	Expansion Stack RRCU #1	U1
Base Stack RRCU #2	U1	Fiber Optic Cable #2	Expansion Stack RRCU #2	U1

10 Cabinets - Expansion Cabinet Stack				
From		Cable	TO	
Card	Conn.			
RRCU (#1)	S1	BDCL1A-MS1	Cabinet 8 MSBU backplane Connector	
RRCU (#1)	S2	BDCL1A-S2	Cabinet 9 MSBU backplane Connector	
RRCU (#2)	S1	BDCL1A-MS1	Cabinet 10 MSBU backplane Connector	
Base Stack RRCU #1	U1	Fiber Optic	Expansion Stack RRCU #1	
Base Stack RRCU #2	U1	Fiber Optic	Expansion Stack RRCU #2	

Table 6 11 Cabinet System

11 Cabinets - Base Cabinet Stack				
From		Cable	TO	
Card	Conn.		Card	Conn.
RRCU #1	M1	HDCL1A-M	EEXBS1	CAB8
RRCU #1	M2	HDCL1A-M	EEXBS1	CAB9
RRCU #2	M1	HDCL1A-M	EEXBS1	CAB10
RRCU #2	M2	HDCL1A-M	EEXBS1	CAB11
Base Stack RRCU #1	U1	Fiber Optic Cable #1	Expansion Stack RRCU #1	U1
Base Stack RRCU #2	U1	Fiber Optic Cable #2	Expansion Stack RRCU #2	U1

11 Cabinets - Expansion Cabinet Stack			
From		Cable	TO
Card	Conn.		
RRCU (#1)	S1	BDCL1A-MS1	Cabinet 8 MSBU backplane Connector
RRCU (#1)	S2	BDCL1A-S2	Cabinet 9 MSBU backplane Connector
RRCU (#2)	S1	BDCL1A-MS1	Cabinet 10 MSBU backplane Connector
RRCU (#2)	S2	BDCL1A-S2	Cabinet 11 MSBU backplane Connector
Base Stack RRCU #1	U1	Fiber Optic	Expansion Stack RRCU #1
Base Stack RRCU #2	U1	Fiber Optic	Expansion Stack RRCU #2

Table 7 12 Cabinet System - Basic Stack Cable Connections

12 Cabinets - Base Cabinet Stack				
From		Cable	TO	
Card	Conn.		Card	Conn.
RRCU #1	M1	HDCL1A-M	EEXBS1	CAB8
RRCU #1	M2	HDCL1A-M	EEXBS1	CAB9
RRCU #2	M1	HDCL1A-M	EEXBS1	CAB10
RRCU #2	M2	HDCL1A-M	EEXBS1	CAB11
RRCU #3	M1	HDCL1A-M	EEXBS1	CAB12
Base Stack RRCU #1	U1	Fiber Optic Cable #1	Expansion Stack RRCU #1	U1
Base Stack RRCU #2	U1	Fiber Optic Cable #2	Expansion Stack RRCU #2	U1
Base Stack RRCU #3	U1	Fiber Optic Cable #3	Expansion Stack RRCU #3	U1

12 Cabinets - Expansion Cabinet Stack			
From		Cable	TO
Card	Conn.		
RRCU (#1)	S1	BDCL1A-MS1	Cabinet 8 MSBU backplane Connector
RRCU (#1)	S2	BDCL1A-S2	Cabinet 9 MSBU backplane Connector
RRCU (#2)	S1	BDCL1A-MS1	Cabinet 10 MSBU backplane Connector
RRCU (#2)	S2	BDCL1A-S2	Cabinet 11 MSBU backplane Connector
RRCU (#3)	S1	BDCL1A-MS1	Cabinet 12 MSBU backplane Connector
Base Stack RRCU #1	U1	Fiber Optic	Expansion Stack RRCU #1
Base Stack RRCU #2	U1	Fiber Optic	Expansion Stack RRCU #2
Base Stack RRCU #3	U1	Fiber Optic	Expansion Stack RRCU #3

CIX670/1200 Primary AC Power

AC Power

The fully configured CIX1200 will require two 20 Ampere, 208 VAC or 240 VAC, single phase power circuits, one for each equipment stack. Refer to Figure 11.

The seven cabinet Base Cabinet Stack requires a maximum of about 15.5 amps at 240 volts. The five cabinet Expansion Cabinet Stack requires a maximum of about 11 amps. Therefore, a twelve cabinet system will require two 20-Amp AC circuits. Refer to the CIX670 and CIX670 rackmount chapters in the Strata CIX Installation and Maintenance Manual. Follow the wiring procedures appropriate for the number of cabinets in each stack.

Of course, a one to five cabinet CIX1200 system can use standard 115 VAC power. Refer to the Strata CIX Installation Manual for more details.

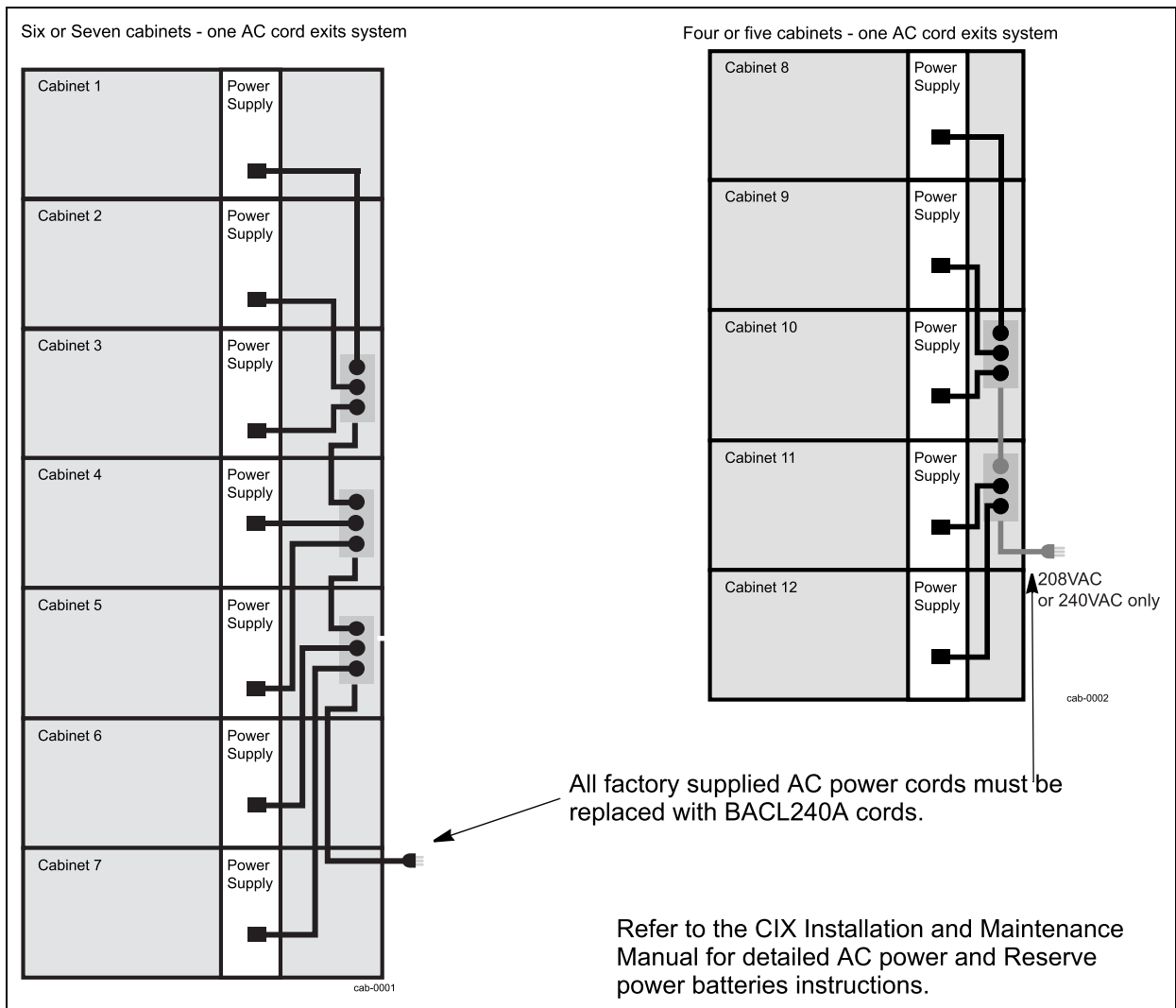


Figure 11 12 Cabinet Power Configuration Example

Power and Reserve Power Components

The CIX1200 uses the CIX670 system cabinets. The CIX1200 system AC power input components and the reserve power requirements are the same as a CIX670 system with the same number of cabinets. For example, A nine cabinet CIX1200 system in a single location would be configured as a seven cabinet base stack and a two cabinet expansion stack. The standard CIX670 installation procedures for a seven cabinet and a two cabinet systems should be used. The tables below list the components required for AC power input and reserve power for any size system from one to 12 cabinets.

The tables assume that all cabinets are located in a single location and that 240 VAC power will be used. Refer to the Installation and Maintenance Manual Chapter 3 and Chapter 4.

Table 8 Reserve Power Components for All CIX1200 Systems

Number of Cabinets	Parts Required			
	PBTC-3M	BBDB1A	BBTC1A-2.0M	BBTC2A-2.0M ¹
1	1	0	0	0
2	2	0	0	0
3	0	1	1	3
4	0	1	1	4
5	0	1	2	5
6	0	1	2	6
7	0	1	2	7
8	1	1	2	7
9	2	1	2	7
10	0	2	3	10
11	0	2	3	11
12	0	2	4	12

¹ The BBTC2A-2.0M cable cannot be ordered separately. Seven of them are included with each BBDB1A.

Table 9 AC Power for CIX1200 Rack-mount Cabinets

Number of Cabinets	Parts Required	
	BACL240A	BRPSB240A
1	1	0
2	2	1
3	3	1
4	4	2
5	5	2
6	6	3
7	7	3
8	8	3
9	9	4
10	10	4
11	11	5
12	12	5

Table 10 AC Power for CIX1200 Wall-mount Cabinets

Number of Cabinets	Parts Required	
	BACL240A	BPSB240A
1	1	0
2	2	1
3	3	1
4	4	2
5	5	2
6	6	3
7	7	3
8	8	3
9	9	4
10	10	4
11	11	5
12	12	5

Table 11 AC Power Components for CIX1200 Floor-mount Cabinets

Number of Cabinets	Parts Required			
	BFIF1A	BACL240A	BPSB240A	BCCB240A
1	1	1	1	0
2	1	2	1	0
3	1	3	1	1
4	1	4	2	1
5	1	5	2	1
6	1	6	3	1
7	1	7	3	1
8	2	8	3	2
9	2	9	4	2
10	2	10	4	2
11	2	11	5	2
12	2	12	5	2

System Power Factor Check

The Strata CIX power supply was engineered for maximum cost efficiency to provide power for most configurations. Because of this design, there are some DC power limitations for telephone option hardware.

The sum of all PCB and telephones –24VDC PFs in a given cabinet cannot exceed 85 for the CIX1200.

The sum of all PCB +5VDC PFs in a given cabinet cannot exceed 40 for the CIX1200.

Power factors for circuit cards and telephone devices are found in the Strata CIX Installation and Maintenance Manual. The power factors for the CIX1200 processor cards are shown in the table below.

Table 12 CIX1200 Processor Cards Power Factors

Card Set	+5 VDC	-24 VDC
HCTU1A	9.6	3.9
HEXAU1A	13.5	5.5
HEXBU1A	17.1	6.9

Use the worksheets in the Strata CIX Installation and Maintenance Manual or the Toshiba CIX Quote application to calculate the power factors for each cabinet.

Power Supply Configuration

Set power supplies to **Base**:

- Base Cabinet
- All cabinets connected to the Base Cabinet with fiber optic cable

Set Power supplies to **Exp**:

- All Expansion Cabinets connected to the Base Cabinet with ribbon cable

Power-On Procedure

1. Power up all fiber optic connected cabinets.
2. Power up the Base Cabinet Stack.

Power-Off Procedure

Important! When the power is shut down do not apply power again until all of the LEDs on the power supply panel are fully extinguished. Turning the power off then on too quickly will result in erroneous LED and LCD indications on telephones in the fiber optic connected cabinets.

1. Power down the Base Cabinet Stack.
2. Power down all fiber optic connected cabinets.

HEXBU1 Expanded Processor Cabinet Labels

Installing an HEXBU1 processor card allows the Strata CIX1200 system to expand beyond seven cabinets. CIX670/1200 Base Cabinets produced before April 2008 have a caution label with a notice that the system may have up to seven power cords. This label must be covered by a new, twelve power cord, caution label. Each CIX670 and CIX1200 Expansion cabinet, produced before April 2008, has a Cabinet Number label to identify the cabinet number as 2 ~ 7 for the specific installation, cabinets 8 ~ 12 will require a new label.

The HEXBU1 processor card box, in addition to the processor, includes:

- A new, Base cabinet caution label
- Five new cabinet number labels with cabinet numbers 2 ~ 12.

Apply the new labels as shown below.

Caution Label for the Base Cabinet

1. Remove the new caution label from the HEXBU1 box.
2. Locate the caution label on the Base Cabinet, refer to the figure.
3. If the caution label is the old (seven power cords) type apply the new (twelve power cords) caution label over the old label, covering the old label.

Caution
Label



Cabinet Number Labels for Expansion Cabinets 8 ~ 12

Expansion cabinets produced prior to April 2008, have cabinet number labels with spaces for cabinets number 2 through 7. The labels are located inside the floor/wall mount cabinets to the left side of the card slots. Rackmount cabinet number labels are located on the inside of the cabinet on the right side of the base. The new cabinet number labels are for expansion cabinets 8 through 12.

1. On each expansion cabinet (8 ~12) locate the cabinet number label.
2. If the label is the old style, place a new label over the old label.
3. Fill-in the appropriate information on the new label.

CABINET NO.					
2	3	4	5	6	7
S_01	S_02	S_03	S_04	S_05	
S_06	S_07	S_08	S_09	S_10	

Old label

CABINET NO.					
2	3	4	5	6	7
8	9	10	11	12	
S_01	S_02	S_03	S_04	S_05	
S_06	S_07	S_08	S_09	S_10	

New label

HECP1A EMC Shield Kit

The HECP1A kit includes a metal EMI shield and five screws. When the HCTU1A processor is installed in a wall/floor-mount Strata CIX base cabinet the shield is necessary to meet FCC requirement for EMC (Electro-Magnetic Compatibility) for the Strata CIX1200 system.

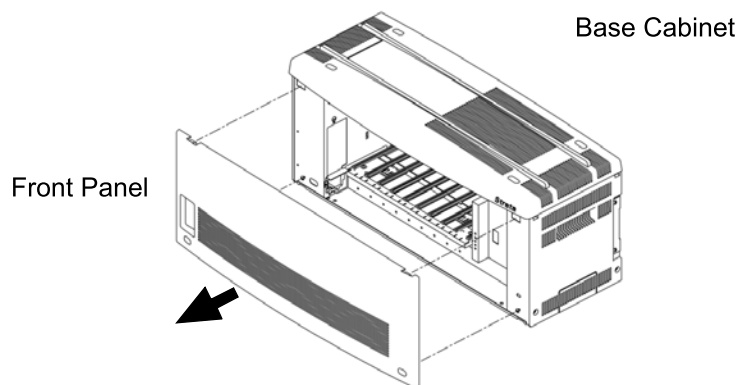
The HECP1A shield kit is not required in rack-mount cabinets or, when any other processor is installed in a wall/floor-mount base cabinet.

Kit Installation

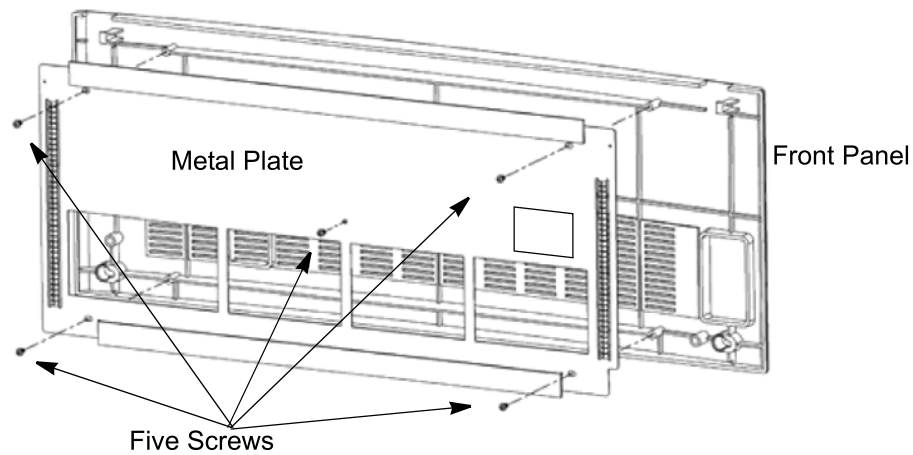
The kit contains the shield plate and the five screws needed to secure the shield to the inside of the Strata CIX cabinet front cover.

The following steps detail the installation of the metal shield plate in the front cover. Refer to the Strata CIX Installation and Maintenance Manual for other installation requirements and procedures.

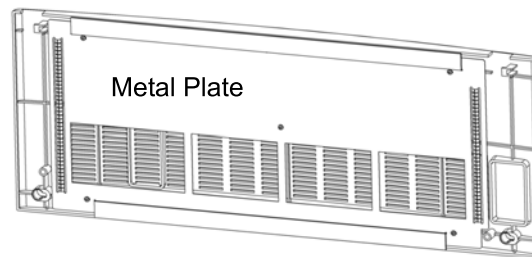
1. Remove the Base Cabinet front cover.
2. Place the cover face down on a clean surface.



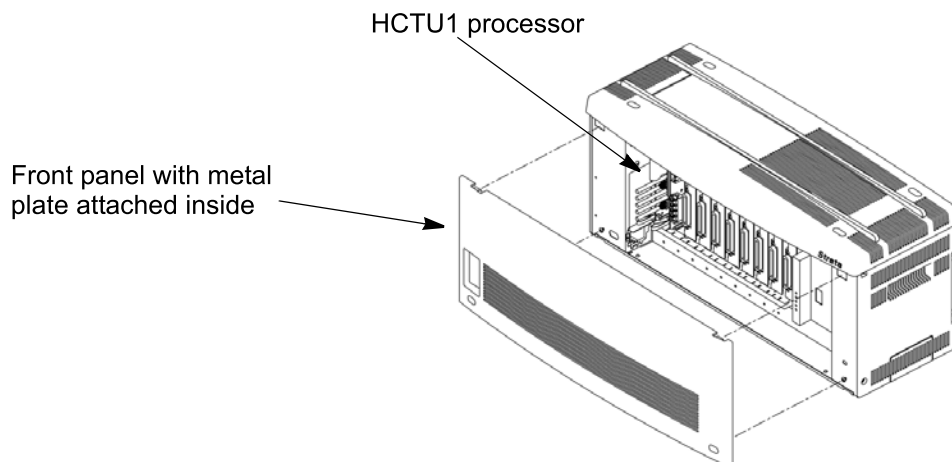
3. Set the shield in the cover. Align the holes in the shield with the mounting boss holes in the cover.



4. Start one screw into each mounting hole.
5. Carefully tighten each screw until just firm. Do NOT over tighten



6. Replace the front panel on the Base Cabinet.



Note The HECP1A shield is not needed for rack-mount base cabinets. The HECP1A is only installed on wall/floor-mount base cabinets, as shown in the figures above.

Important Note: The HECP1A shield must be installed on the wall/floor-mount base cabinet to meet FCC requirements for EMC (Electro-Magnetic Compatibility).

General System Information

Regulatory Information		
Area	United States	Canada
Safety	UL 60950-1 1st Edition	CSA-C22.2 No. 60950-1-03 1st Edition
Network	FCC CFR 47 Part 68 TIA/EIA/IS-968	IC CS-03
EMC	FCC CFR 47 Part 15	ICES003:2004

FCC Registration Numbers			
SYSTEM	PBX Fully-protected PBXs	Hybrid Fully-protected multifunction systems	KEY Fully-protected telephone key systems
CIX1200	CJ6-MUL-35931-PF-E	CJ6-MUL-35930-MF-E	CJ6-MUL-35929-KF-E

Environmental Conditions

CAUTION! Equipment is for use in a Restricted Access Location.

- Operating Temperature: 32 ~ 104 degrees Fahrenheit (0 ~ 40 degrees Centigrade)
- Operating Humidity: 20~80% relative humidity without condensation
- Storage Temperature: -4 ~ 140 degrees Fahrenheit (-20 ~ 60 degrees Centigrade)

Location

When selecting a location for the cabinets, the location **must be**:

- Dry and clean
- Well-ventilated
- Well-illuminated
- Easily accessible

The location **must not be**:

- Subject to extreme heat or cold
- Subject to corrosive fumes, dust, or other airborne contaminants
- Subject to excessive vibration
- Next to television, radio, office automation, or high frequency equipment

System Capacities

The Strata CIX1200 does not replace the CIX670, it expands the Strata CIX product line.

The CIX1200 Basic and Expanded A configurations are the same port capacity as the CIX670 but offer expanded feature capability.

Table 13 Cabinet and Slot Capacities

Cabinets/Slots/Ports	CIX1200 EXP. B HCTU+HEXBU	CIX1200 EXP. A ¹ HCTU+HEXAU	CIX1200 BASIC ² HCTU	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
Cabinets	1 to 12	1 to 7	1 to 2	1 to 7	1 to 2
Universal slots	8 to 118 ³	8 to 68	8 to 18	8 to 68	8 or 18
Maximum capacity of ports including Voice Mail ports (lines + stations)	1152	672	192	672	192

1 The CIX1200 Expanded A system has the same cabinet, card slot and port capacities as the CIX670 Expanded system but offers expanded feature capability. Refer to the tables on the following pages.

2 The CIX1200 Basic system has the same cabinet, card slot and port capacities as the CIX670 Basic system but offers expanded feature capability. Refer to the tables on the following pages.

3 For 8 to 12 cabinet systems, RRCU cards will require up to 3 card slots in a base cabinet stack and up to three slots in expansion cabinet stack. Up to a system total of six card slots.

Table 14 Station/Peripherals System Capacities

Stations	CIX1200 EXP. B HCTU+HEXBU	CIX1200 EXP. A HCTU+HEXA	CIX1200 BASIC HCTU	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
DKT2000, 3000, 3200, 5000 series ¹	952	552	152	552	152
DKT2000, 3000, 3200, 5000 series per cabinet	72 (Base) 80 (Exp)	72 (Base) 80 (Exp)	72 (Base) 80 (Exp)	72 (Base) 80 (Exp)	72 (Base) 80 (Exp)
IPT telephones ²	80 (Base) 80 (Exp) 1000 System	80 (Base) 80 (Exp) 560 System	80 (Base) 80 (Exp) 160 System	80 (Base) 80 (Exp) 560 System	80 (Base) 80 (Exp) 160 System
DAMA per Base cabinet ¹	55 DPs with 1 ADM 43 DPs with 2 ADMs	55 DPs with 1 ADM 43 DPs with 2 ADMs	57 DPs with 1 ADM 43 DPs with 2 ADMs	55 DPs with 1 DADM 43 DPs with 2 DADMs	55 DPs with 1 DADM 43 DPs with 2 DADMs
DADM per Expansion cabinet ¹	57 DPs with 1 ADM 45 DPs with 2 ADMs	57 DPs with 1 ADM 45 DPs with 2 ADMs	55 DPs with 1 ADM 45 DPs with 2 ADMs	57 DPs with 1 DADM 45 DPs with 2 DADMs	57 DPs with 1 DADM 45 DPs with 2 DADMs
IADM on IPT ³	84/cabinet	80/cabinet	80/cabinet	80/cabinet	80/cabinet
IADM System Capacity	800/system	400/system	116/system	400/system	116/system
DKT2204-CT or 2304-CT	952	552	152	552	152
CIX Attendant Console	6	6	6	4	2
Door locks ⁴	10	10	5	10	5
Door phone control boxes (DDCB)	8	8	3	8	3
Door phones	24	24	9	24	9
DSS consoles (DSS)	24 per System 8 per Station	24 per System 8 per Station	5 per System 5 per Station	15 per System 8 per Station	5 per System 5 per Station
Off-premise stations	944	544	144	544	144
BPCI used for TAPI only per cabinet	66	66	66	66	66
Total Stations (Digital/ Analog/IP combined)	1000	560	160	560	160
Standard Station	944	544	144	544	144
DTMF Receivers	48	32	16	32	16
Calls existing at the same time	576	336	96	336	96

1 Limited by power factor

2 Limited by system traffic

3 Limited by the number of flexible buttons per system

4 Each Door lock reduces the number of Door Phones by one Door Phone and vice versa.

Table 15 Line Capacities

Lines	CIX1200 EXP. B HEXBU	CIX1200 EXP. A HEXAU	CIX1200 BASIC HCTU Only	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
CO lines – loop start (analog - 8 lines/slot)	440	264	96	264	96
CO lines – ground start (analog - 4 lines/slot)	440	264	72	264	72
DID lines (analog - 4 lines/slot)	440	264	72	264	72
Tie lines (analog - 4 lines/slot)	440	264	72	264	72
T1 lines (DS-1) ¹	440	264	96	264	96
ISDN PRI B channel lines ²	440	264	96	264	96
Strata Net IP Channels ³	440	264	96	264	96
SIP Trunks	440	264	96	264	96
SIP URI per system	1000	560	160	560	160
SIP Trunk Service Index	128	128	48	128	48
Total lines (Analog, T1, SIP Trunks, Strata Net, and ISDN PRI B channels combined)	440	264	96	264	96
Channel Groups	220	128	48	128	48
Number of groups w/ GCO Line buttons	220	128	50	128	50
Busy Tone Detectors	48	32	16	32	16

1 T1 lines can be loop start, ground start, Tie or DID (maximum 24 lines per unit, any type or combination).

2 PRI lines provide CO line services, including Strata Net Networking, Calling Party Number/Name, DID, Tie, POTS, FX and DIT.

3 IP Strata Net channels provides Strata CIX networking functionality.

Table 16 Digital and IP Telephone Station Buttons

Station Buttons per System	CIX1200 EXP. B HEXBU	CIX1200 EXP. A HEXAU	CIX1200 BASIC HCTU Only	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
Call Forward, Personal CF Buttons	1000	560	160	560	160
Caller ID (CLID) button (DP or IPT only)	1000	560	160	560	160
CO Line Buttons ¹	440	264	96	264	96
Group CO Line Buttons ²	440	264	96	264	96
Pooled CO Line Buttons ²	220	128	50	128	50

Table 16 Digital and IP Telephone Station Buttons (continued)

Station Buttons per System	CIX1200 EXP. B HEXBU	CIX1200 EXP. A HEXAU	CIX1200 BASIC HCTU Only	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
CO Group and Pooled Line Buttons ²	440	264	96	264	96
Door Unlock Buttons	96	96	64	64	64
Flexible Telephone Buttons	48000	48000	7000	24000	7000
Line and DN Buttons in use at the same time	6000	6000	3360	3360	3360
Message Waiting Registration (DNs with MW)	1344	1344	230	800	230
Multiple Appearances of DNs on Telephones	27000	27000	4200	15000	4200
Night Transfer Buttons	192	192	64	128	64
One Touch Buttons	24000	24000	3500	12000	3500
Primary Directory Numbers [PDNs] per system	1000	560	160	560	160
Phantom Directory Numbers [PhDNs] per system	4000	4000	640	2240	640
[PhDNs] with Message Waiting Indication LED	192	192	38	128	38
ISDN DNs - System Capacity	768	768	224	768	224
ISDN DNs - Station Capacity (per station)	8	8	8	8	8

- 1 This is the number of unique CO Line Buttons (i.e., Line 1, Line 2, etc.). The total number of CO Line Buttons can not exceed the Flexible Telephone Button limit. Example: If Line 1 button appears on 10 telephones, it counts as one button.
- 2 This is the total number of all GCO or Pooled Line Buttons allowed in a system. Example: If the GCO1 button appears on 10 telephones, it counts as 10 buttons.

Table 17 System Feature Capacities

Features	CIX1200 EXP. B HEXBU	CIX1200 EXP. A HEXAU	CIX1200 Basic HCTU Only	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
Pilot DNs	256	256	200	256	100
Advisory LCD Messages (Set on a Telephone)	1	1	1	1	1
Advisory LCD Messages Lists (per System)	10	10	10	10	10
Attendant Groups	1	1	1	1	1
Call Accounting SMDR Interface ¹	1	1	1	1	1
Call Forward, System CF Patterns	48	48	10	32	10
Call Park Orbits (General)	96	96	32	64	32
Call Park Orbits (Individual)	576	336	96	336	96
Minimum / Maximum Caller ID per Station	Minimum: 10 Maximum: 100				

Table 17 System Feature Capacities (continued)

Features	CIX1200 EXP. B HEXBU	CIX1200 EXP. A HEXAU	CIX1200 Basic HCTU Only	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
Maximum number of Stations that can have Caller ID/ANI/CNIS Numbers stored (Call History records)	600	600	200	200	100
	3000	3000	1000	Up to 2000/ system	Up to 1000/ system
CO Line Groups - Incoming Line Groups (ILG)	220	128	50	128	50
CO Line Groups - Outgoing Line Groups (OLG)	220	128	50	128	50
Outgoing Line Groups (OLG) Members per system (Trunks + ISDN Line Service Index)	660	392	144	392	144
Conference Circuits	128	96	64	96	64
Conferencing (three-parties simultaneously) ²	40	30	20	30	20
Conferencing (eight-parties simultaneously) ²	16	12	8	12	8
Conference Party types (up to 8 total lines + stations) ²	6 lines max. 8 stations max	6 lines max. 8 stations max	6 lines max. 8 stations max	6 lines max. 8 stations max.	6 lines max. 8 stations max.
Two-CO Line simultaneous Connection ² (Two party only, no telephone or VM port)	220	132	48	132	48
Conference/Line Volume Adjustment (PAD) Groups	32	32	10	32	10
DID Numbers for Calling Number ID/ system	1500	1500	500	1000	500
DNIS/DID Network Routing Numbers (8~32 digits)	1500	1500	400	1000	400
DNIS/DID Numbers (4~7 digits)	3000	3000	1000	2000	1000
Network DNs	6000	6000	6000	3000	3000
DTMF Receivers ³ and Busy Tone Detectors	48	32	16	32	16
E911 Groups	8	8	8	8	8
Emergency Call Groups	8	8	8	8	8
Hunt Groups (Serial/Circular/Distributed combined)	1100	1100	200	640	200
Hunt Group Size (DNs per group)	1000	560	160	560	160
Hunt Group Stations (per system)	5000	5000	800	2800	800
ISDN Line Service Indexes	220	128	48	128	48
Multiple Call Ring Group	96	96	32	64	32

Table 17 System Feature Capacities (continued)

Features	CIX1200 EXP. B HEXBU	CIX1200 EXP. A HEXAU	CIX1200 Basic HCTU Only	CIX670 Expanded Processor BCTU + BEXU	CIX670 Basic Processor BCTU
Night Bell Control Relay per tenant ⁴	1	1	1	1	1
Night Transfer Control Relay per tenant ⁴	1	1	1	1	1
Off-hook Call Announce Handsets (simultaneous)	40	30	20	30	20
Off-hook Call Announce to Telephone Speakers ⁵	592	352	112	352	112
Page Mute External BGM Control Relay ⁴	1	1	1	1	1
Page Zone Relays ⁴	8	8	8	8	8
Page Groups (Phones with or without External Zones)	24	24	8	8	8
Paging – (Group Page – simultaneous stations paged)	120	120	120	120	120
Pickup Groups	48	48	10	32	10
Ring Tones (External Call Ring Tones for DPs and IPTs)	10	10	10	10	10
Ring Tones (Internal Call Ring Tones for DPs and IPTs)	10	10	10	10	10
Speed Dial - Station SD numbers per system ⁶	8400	8400	2400	5600	2400
Speed Dial - Station SD numbers per Station (allocated in increments of 10)	Min: 0 Max: 100	Min: 0 Max: 100	Min: 0 Max: 100	Min: 0 Max: 100	Min: 0 Max: 100
Maximum stations with SD per system	840	840	240	560	240
Speed Dial - System SD numbers per system	800	800	800	800	800
Stratagy Voice Processing per system	1	1	1	1	1
Tenants	8	8	8	8	8
Destination Restriction Level (DRL) Classes	16	16	16	16	16
Verified Account Codes	4000	4000	3000	1000	300
Voice Mail SMDI Interface ¹	1	1	1	1	1
External Ring Repeat - to available stations	256	256	All	All	All
LCR Exception Table Size (Prog 521 and 522)	2500	2500	2500	1280	1280
Maximum number of digits in the LCR Modified Digits Table	19	19	19	19	19
Maximum number of LCR Route Plans	128	128	128	64	64
CSTA Device Monitors	1152	1152	1152	512	512
CSTA Call Monitors	560	560	560	320	320

- 1 SMDI and SMDR may require BSIS serial port or LAN interface.
- 2 Conference circuits are used dynamically, so the maximum number of simultaneous conferences is affected by the number of conference members in each conference. The total number of members in simultaneous conferences cannot exceed the total number of conference circuits. Each conference can have up to eight members. Two CO line connections do not require a conference circuit.
- 3 DTMF receivers are required for standard touch tone telephones, voice mail integration, Tie, DID and DISA lines.
- 4 An option BIOU is required for up to four zone page relays and four control relays on the CIX670 and CIX1200 processor.
- 5 On Digital telephones Speaker OCA capacity is determined by 2B channel slot availability and power supply. S-OCA requires the DOCA-1A option in DP5000-series digital telephones, but not in IP telephones. Speaker OCA on IP telephones require an MIPU or LIPU installed in the Strata CIX. Each IP telephone with Speaker OCA requires two IP channels on the MIPU / LIPU but only requires one IP endpoint license. The IP OCA channel is only used while the S-OCA call is in progress so it can be reserved or shared with other telephones for S-OCA but cannot be used as a dedicated IP channel for another telephone or Strata Net channel. DP5008 and IPT1020-SD do not support Speaker OCA; all other current Toshiba telephones support S-OCT.
- 6 Up to 100 Station SD numbers, allocated in increments of 10, can be programmed per station.

Table 18 Hardware Compatibility

Category	Unit Name	CIX1200	CIX670
Processor Card	HCTU1 ¹	X	NC
	HEXAU1	X	NC
	HEXBU1	X	NC
	BCTU2 and BEXU2 ²	NC	X
Optional Interface Unit	BIOU ³	X	X
	BSIS	X	X
Standard Telephone Interface	BSTU, RSTU3, RDSU/RSTS	X	X
	BSTCIU	X	X
	BSLU / BSLU	X	X
Digital Telephone Interface	BDKU	X	X
	BWDKU	X	X
	BDKS	X	X
	PDKU2	X	X
	RDSU, RSTS	X	X
IP Telephone Interface	BIPU-M2A, BIPU-M1A ⁴	X	X
	MIPU / LIPU	X	X
CO Line Interface	BVPU	X	X
	RCIU/RCIS	X	X
	RCMU/RCMS	X	X
	RCOU/RCOS ⁵	X	X
	BCOCIU / BCOCIS	X	X
	RDDU	X	X
	RDTU2, 3	X	X
	REMU	X	X
	RGLU2, RGLU3	X	X
ISDN Interface	BPTU1, RPTU2, RPTU	X ⁶	X ⁷

Table 18 Hardware Compatibility (continued)

Category	Unit Name	CIX1200	CIX670
Remote Expansion Cabinet Interface	RRCU	X	X
Strata Net over IP Interface	BIPU-Q1A3	X	X
	MIPU / LIPU3	X	X
Stations and Terminal Equipment	Strata CIX PC Attendant Console, BATI	X	X
	BPCI (USB) - Data or Voice Record TAPI	X	X
	DP5000 - series	X	X
	DKT1000 ⁸	X	X
	DKT2000	X	X
	DKT3200/3000	X	X
	IP5000 - series	X	X
	IPT1020-SD	X	X
	IPT2010-SD and IPT2020-SD	X	X
	IPT2008-SDL	X	X
Ethernet LAN		Built-in	Built-in
V.34 Admin Modem	AMDS	X	X
Base Cabinet	CHSUB672	X	X
Expansion Cabinet	CHSUE672	X	X
	Data Cable for CIX670 Expansion Cabinet	X	X
Power Supply Unit	BPSU672 (120VAC/208VAC/240VAC power supply)	X	X
Conduit Connection Box	BCCB120 (120V box)	X	X
	BCCB240 (240V box)	X	X
Battery Distribution Box	BBDB1 (new Battery Dist. Box, 7 BBTC2A-2.0M)	X	X
Power Strip	RPSB2 (120VAC power strip)	X	X
	BPSB240 (240VAC power strip)	X	X
Battery Cable	PBTC-3M	X	X
	BBTC1A-2.0M	X	X
Battery Charger	(Built-in)	Built-in	Built-in

X = Compatible

NC = Not Compatible

- 1 When the HCTU processor is installed in the base cabinet (CHSUB672A or CRSUB672A) the system is a Strata CIX1200.
- 2 When the BCTU processor is installed in the base cabinet (CHSUB672A or CRSUB672A) the system is a Strata CIX670.
- 3 The PIOU card used in DK424i systems is not compatible with CIX670 and CIX1200 systems. The BIOU must be used.
- 4 If a IP interface card is installed; RCOU1A, RCOS1A RDDU1A, RGLU1A, RGLU2A, and two-wire REMU1 cards should not be installed to avoid excessive Echo Return Loss (ERL).
- 5 The RCOS1A cannot be installed on the RCOU3A. The RCOS3 can be installed on the RCOU1A.
- 6 BPTU1, RPTU2, BIPU-Q1A, LIPU, or MIPU is required for Strata Net Networking.
- 7 BPTU1, RPTU2, BIPU-Q1A, LIPU, or MIPU is required for Strata Net Networking.
- 8 DKT1000-series telephones do not support continuous DTMF tones.