Toshiba Strata CIX1200 Product Bulletin

Voip business communications system

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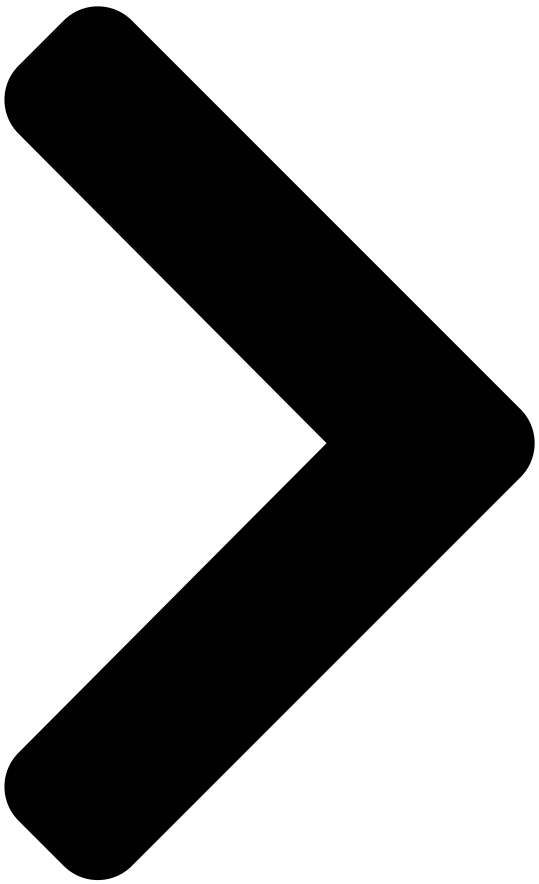

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Product Summary

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.

Announcing Strata CIX1200

Expanded Capacity

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Strata

Product Bulletin

CIX

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Related Manuals for Toshiba Strata CIX1200

Telephone Toshiba Strata DP5000-UG-VC User Manual

Toshiba telephone user guide (142 pages)

IP Phone Toshiba iES16 Brochure

Ip communication solutions (12 pages)

VoIP Toshiba VoIP MOS Specification Sheet

Voip network assessments (2 pages)

Summary of Contents for Toshiba Strata CIX1200

Page 1 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.

Page 2: Features And Capabilities

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.

Page 3 Pricing and Availability 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.

Page 4 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. Announcing Strata CIX1200 Expanded Capacity 4 of 37...

Page 5 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.

Page 6 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.

Page 7: Processor Cards

CIX1200 Configurations 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.

Page 8: Database Backup And Restore

Cabinet 12 Expansion Cabinet Cabinet 6 Equipment Stack Cabinet 7 An RRCU card is required on each Base Cabinet end of the fiber optic cable(s). Equipment Stack Figure 2 Inter-Cabinet Cable Overview Announcing Strata CIX1200 Expanded Capacity 8 of 37...

Page 9 • Do not install Primary or Secondary clock source PRI and T1 cards in expansion cabinets connected to the base cabinet stack with fiber cables. Announcing Strata CIX1200 Expanded Capacity 9 of 37...

Page 10: Processor Options

The optional BSIS RS232 interface and AMDS maintenance modem cards install onto the HCTU1 card as shown in Figure 3. HCTU1A AMDS LAN Connector BSIS Secure Digital Card Slot Battery Jumper Figure 3 BSIS and AMDS Cards in the HCTU1 Announcing Strata CIX1200 Expanded Capacity 10 of 37...

Page 11 Refer to Figure 1. This processor card set will support the maximum Expanded B system configuration of 1152 ports. Plastic Spacer HEXBU1A Battery Battery Jumper Plastic Spacer Figure 4 HEXBU1 Processor Daughter Card Announcing Strata CIX1200 Expanded Capacity 11 of 37...

Page 12 Refer to Figure 1. This processor card set will support the Expanded A system configuration of 672 ports. Plastic Spacer HEXAU1A Battery Battery Jumper Plastic Spacer Figure 5 HEXAU1 Processor Daughter Card Announcing Strata CIX1200 Expanded Capacity 12 of 37...

Page 13: Fiber Optic Interface

CIX1200 Configurations 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.

Page 14 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. Announcing Strata CIX1200 Expanded Capacity 14 of 37...

Page 15 MSBU MSBU connector CAB 6 location Rackmount Cabinet - Rear view MSBU CAB 7 Cover removed Figure 8 CIX1200 Full System Inter-Cabinet Cables for Wall/Floor Mount Announcing Strata CIX1200 Expanded Capacity 15 of 37...

Page 16 CAB 1 BDCL1A-S2 Cable Cabinets 2 to 7 Dealer supplied fiber optic cables can be one duplex cable or two single conductor cables. BDCL1A-MS1 Cable Figure 9 Cable Detail of 10 Cabinet System Announcing Strata CIX1200 Expanded Capacity 16 of 37...

Page 17 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. Announcing Strata CIX1200 Expanded Capacity 17 of 37...

Page 18 9 Cabinets - Expansion Cabinet Stack From Cable Card Conn. RRCU (#1) BDCL1A-MS1 Cabinet 8 MSBU backplane Connector RRCU (#1) BDCL1A-S2 Cabinet 9 MSBU backplane Connector Base Stack RRCU #1 Fiber Optic Expansion Stack RRCU #1 Announcing Strata CIX1200 Expanded Capacity 18 of 37...

Page 19 HDCL1A-M EEXBS1 CAB10 RRCU #2 HDCL1A-M EEXBS1 CAB11 Base Stack RRCU #1 Fiber Optic Cable #1 Expansion Stack RRCU #1 Base Stack RRCU #2 Fiber Optic Cable #2 Expansion Stack RRCU #2 Announcing Strata CIX1200 Expanded Capacity 19 of 37...

Page 20 Cabinet 12 MSBU backplane Connector Base Stack RRCU #1 Fiber Optic Expansion Stack RRCU #1 Base Stack RRCU #2 Fiber Optic Expansion Stack RRCU #2 Base Stack RRCU #3 Fiber Optic Expansion Stack RRCU #3 Announcing Strata CIX1200 Expanded Capacity 20 of 37...

Page 21 BACL240A cords. Cabinet 7 Power Supply Refer to the CIX Installation and Maintenance Manual for detailed AC power and Reserve power batteries instructions. cab-0001 Figure 11 12 Cabinet Power Configuration Example Announcing Strata CIX1200 Expanded Capacity 21 of 37...

Page 22 Reserve Power Components for All CIX1200 Systems Parts Required Number of Cabinets PBTC-3M BBDB1A BBTC1A-2.0M BBTC2A-2.0M 1 The BBTC2A-2.0M cable cannot be

ordered separately. Seven of them are included with each BBDB1A. Announcing Strata CIX1200 Expanded Capacity 22 of 37...

Page 23 CIX670/1200 Primary AC Power Table 9 AC Power for CIX1200 Rack-mount Cabinets Parts Required Number of Cabinets BACL240A BRPSB240A Table 10 AC Power for CIX1200 Wall-mount Cabinets Parts Required Number of Cabinets BACL240A BPSB240A Announcing Strata CIX1200 Expanded Capacity 23 of 37...

Page 24 CIX670/1200 Primary AC Power Table 11 AC Power Components for CIX1200 Floor-mount Cabinets Parts Required Number of Cabinets BFIF1A BACL240A BPSB240A BCCB240A Announcing Strata CIX1200 Expanded Capacity 24 of 37...

Page 25: Power Supply Configuration

HCTU1A HEXAU1A 13.5 HEXBU1A 17.1 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 •...

Page 26 HEXBU1 Expanded Processor Cabinet Labels 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.

Page 27: Kit Installation

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.

Page 28 Important Note: The HECP1A shield must be installed on the wall/floor-mount base cabinet to meet FCC requirements for EMC (Electro-Magnetic Compatibility). Announcing Strata CIX1200 Expanded Capacity 28 of 37...

Page 29: General System Information

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 Announcing Strata CIX1200 Expanded Capacity 29 of 37...

Page 30: System Capacities

System Capacities 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...

Page 31 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. Announcing Strata CIX1200 Expanded Capacity 31 of 37...

Page 32 BCTU + HEXBU HEXAU Only BCTU BEXU Call Forward, Personal CF Buttons 1000 Caller ID (CLID) button (DP or IPT only) 1000 CO Line Buttons Group CO Line Buttons Pooled CO Line Buttons Announcing Strata CIX1200 Expanded Capacity 32 of 37...

Page 33 Advisory LCD Messages Lists (per System) Attendant Groups Call Accounting SMDR Interface Call Forward, System CF Patterns Call Park Orbits (General) Call Park Orbits (Individual) Minimum / Maximum Caller ID per Minimum: 10 Station Maximum: 100 Announcing Strata CIX1200 Expanded Capacity 33 of 37...

Page 34 Emergency Call Groups Hunt Groups (Serial/Circular/Distributed 1100 1100 combined) Hunt Group Size (DNs per group) 1000 Hunt Group Stations (per system) 5000 5000 2800 ISDN Line Service Indexes Multiple Call Ring Group Announcing Strata CIX1200 Expanded Capacity 34 of 37...

Page 35 2500 1280 1280 (Prog 521 and 522) Maximum number of digits in the LCR Modified

Digits Table Maximum number of LCR Route Plans CSTA Device Monitors 1152 1152 1152 CSTA Call Monitors Announcing Strata CIX1200 Expanded Capacity 35 of 37...

Page 36 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.

Page 37 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.