# Toshiba Strata DK8 General Description Manual

Digital key telephone system

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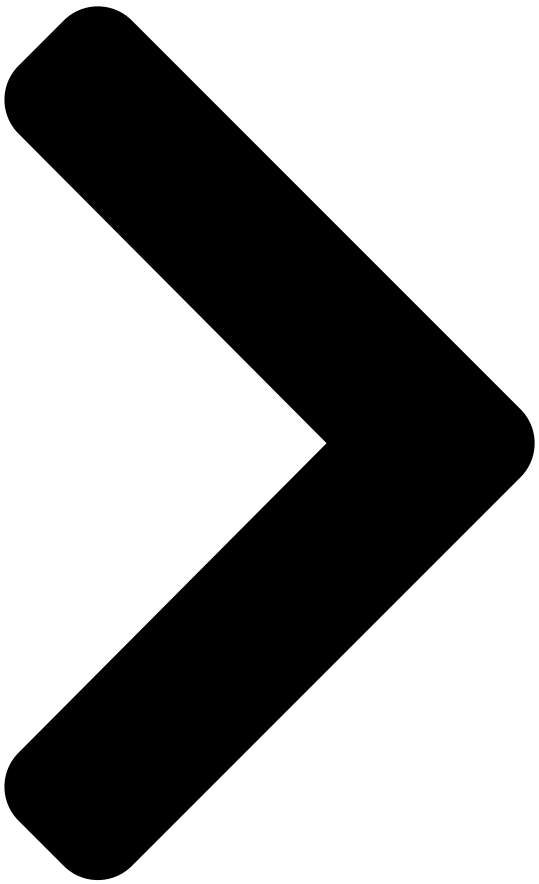

STRATADK8&DK16

TOSHIBASYSTEMPRACTICES

# DIGIT

# GENERAL DESCRIPTION

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# Related Manuals for Toshiba Strata DK8

Telephone System Toshiba Strata DK8 Installation And Maintenance Manual

Digital key telephone systems (609 pages)

Telephone Toshiba strata DK8 Installation Instructions Manual

(584 pages)

Telephone System Toshiba Strata DK 16 Installation And Maintenance Manual

Toshiba digital key telephone systems installation and maintenance manual (321 pages)

Telephone Toshiba Strata DK8 User Manual

Digital telephone (90 pages)

Telephone Toshiba Strata DK8 User Manual

Dk digital lcd telephone (48 pages)

Telephone TOSHIBA Strata DK8 User Manual

Standard telephone (26 pages)

Telephone Toshiba Strata DK16 User Manual

Add-on module and direct station selection console (18 pages)

Telephone Toshiba Strata DK8 Quick Reference Manual

Business telephone (9 pages)

IP Phone Toshiba Strata DK 2000-series User Manual

Toshiba digital telephone user guide (164 pages)

IP Phone Toshiba DK User Manual

Includes lcd, add-on module, and direct station selection console (163 pages)

IP Phone Toshiba CT User Manual

Includes lcd, add-on module, and direct station selection console (136 pages)

Handsets Toshiba Strata AirLink Integrated Wireless Handset User Manual

Toshiba integrated wireless handset user guide (131 pages)

Cordless Telephone Toshiba Strata DK User Manual

Cordless digital telephone (107 pages)

IP Phone Toshiba Strata DK User Manual

Digital single line telephone (60 pages)

Telephone System Toshiba Strata DK14 System Administrator Manual

Strata dk digital business telephone systems (56 pages)

Telephone Toshiba Strata DK14 Quick Reference Manual

Strata dk digital business telephone systems (13 pages)

# Summary of Contents for Toshiba Strata DK8

## Page 1: General Description

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## Page 2

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## Page 3: Table Of Contents

FIGURE LIST FIGURE SUBJECT PAGE STRATA DK8 & DK16 PERIPHERALS .....STRATA DK8 BASE KEY SERVICE UNIT ..... STRATA DK16 BASE KEY SERVICE UNIT ..... STRATA DK16 EXPANSION KEY SERVICE UNIT.....STRATA DK8 MAXIMUM CONFIGURATION.....STRATA DK16 MAXIMUM CONFIGURATION.....STRATA DK8 FUNCTIONAL BLOCK DIAGRAM .....

## Page 4

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N FIGURE LIST (CONTINUED) FIGURE SUBJECT...

## Page 5: General

Designed with the knowledge that user needs typi- Pulse Code Modulation: Digital switching talkpaths cally evolve, the STRATA DK8 and DK16 can be allow all central office (CO) and intercom lines to upgraded with additional circuit boards to add more be accessed simultaneously.

## Page 6: Strata Dk8 & Dk16 Peripherals

DOOR LOCK SMDR DATA DOOR PHONE/ VOICE MAIL SPEAKER CONTROL COLLECTION MONITOR STATIONS MUSIC-ON-HOLD/ BACKGROUND-MUSIC TOSHIBA TOSHIBA Night 1 All Call DIGITAL TELEPHONE PERSONAL WITH INTEGRATED CONSOLE COMPUTER DATA INTERFACE UNIT CENTREX (DK16 ONLY) Figure 1 STRATA DK8 & DK16 PERIPHERALS...

## Page 7: System Configuration

Key Service Unit (Figure 4). Every central office (CO) line, station, and peripheral connects to these units. The STRATA DK8 Key Service Unit comes equipped to interface with up to four Toshiba-propri- etary digital telephones and two CO lines. It can be...

## Page 8: System Components

CO lines. It can This section describes the components of the optionally be equipped with a four- circuit standard STRATA DK8 Key Service Unit and the STRATA telephone printed circuit board, a Music-on-hold DK16 Base and Expansion Key Service Units. The...

## Page 9: Strata Dk8 Optional Pcbs

Reserve Power: One or two optional Reserve Power Battery and Chargers (HPFBs) can be connected Standard Telephone Interface Unit (QSTU): The to the STRATA DK8 power supply to maintain nor- optional QSTU provides two circuits that can inter- mal operation during a power failure (See Table G face with 500- and 2500-type standard telephones, for reserve power time.)

## Page 10: Strata Dk8 Functional Block Diagram

POWER READY CONNECT PRINTER QSTU (OPTIONAL) 2 — STANDARD TELEPHONE CKTS STANDARD TELEPHONE QSMU (OPTIONAL) TTY OR SMDR INTERFACE CKT 25-PAIR AMPHENOL CONNECTOR 3-PAIR MODULAR INTERFACE SMDR PRINTER OR MAINTENANCE TERMINAL OR MODEM Figure 7 STRATA DK8 FUNCTIONAL BLOCK DIAGRAM...

## Page 11: Strata Dk16 Functional Block Diagram

CENTREX/PBX PCBs CO 5 - 8 DIGITAL STAND-ALONE LINES CO LINE/ DATA INTERFACE PRINTER DIGITAL PDKU STATION MODULAR TOSHIBA POWER READY CONNECT CONNECTORS RJ14C ELECTRONIC KCDU ELECTRONIC TELEPHONE MAINTENANCE TERMINAL (TTY PORT) (2/4) PEKU DDCB MDFB DOOR LOCK OR BGM MUTE...

## Page 12: Strata Dk16 Base Key Service Unit

VOLUME PAGING OUTPUT RCA JACK CONTROL Figure 9 STRATA DK8 KEY SERVICE UNIT INTERIOR (CONNECTORS AND INTERFACES) Access (DISA) operation. Each QRCU card pro-

STRATA DK16 BASE KEY SERVICE UNIT vides three shared circuits. In addition to the main processor and operating...

## Page 13: Strata Dk16 Base Key Service Unit Interior

Power Supply: The power supply generates ±5VDC Paging Interface: This 600-ohm interface can sup- and -24VDC for the entire system, even in its port a Toshiba external speaker (HESB) or a cus- expanded configuration. Two customer-supplied tomer-supplied amplifier and speaker for Paging...

## Page 14: Strata Dk16 Expansion Key Service Unit

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Flexible Relay Contacts: A pair of relay contacts can Height: 18.0 in (457 mm) be programmed to either mute Background Music...

## Page 15: Strata Dk16 Expansion Key Service Unit Interior

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N STRATA DK16 BASE UNIT STRATA DK16...

## Page 16: Toshiba Peripherals

2000-series digital tele- gray or ash white. The STRATA DK8 can support phone to provide 20 Direct Station Selection up to eight of the 2000-series digital telephones;...

## Page 17: 10-Button Digital Telephone With Handsfree Answerback (Dkt2010-H)

Off- array of useful and progressive features, are com- hook Call Announce. Every digital telephone patible with both STRATA DK8 and DK16 systems. can have this upgrade, which allows stations to receive intercom calls over their speaker while Stand-alone Data Interface Unit (PDIU-DS): PDIU- on another call.

## Page 18: Integrated Data Interface Unit (Pdiu-Di2)

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N functions.

## Page 19: Customer-Supplied Peripherals

CUSTOMER-SUPPLIED PERIPHERALS 4 S Y S T E M F E AT U R E S The STRATA DK8 and DK16 support many cus- tomer-supplied peripheral devices, several of which This section describes features that are available are listed below: on a system-wide basis for both DK8 and DK16, •...

## Page 20 S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N

(specific numbers) or Nonverified (nonspecific vice"...

## Page 21 Toll Restriction. The calls are billed to busy station, providing a distinctive camp-on tone the credit card, not the STRATA DK8 and DK16 and CO line LED flash. The busy station can then central office (CO) line. The system requires that a answer the transferred call after it releases, trans- specific quantity of digits are dialed for this call;...

## Page 22 PIOU printed circuit board in the listen to the surrounding area) or as a "hot line" Expansion Key Service Unit. link. STRATA DK8 and DK16 can each support as Flexible Button Assignment: Digital and electronic many as six door phones. Each door phone must...

## Page 23 STRATA DK8 or DK16 features. Each off-site sta- This information will be maintained within a power- tion requires a special line from the central office less system for at least six years.

## Page 24 Background Music that is being broadcast over the same speakers. ture button. STRATA DK8, DK16, and Centrex/PBX § feature access codes can also be stored in Speed Door Lock Control Function (PIOUS and Dial.

## Page 25 S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N •...

## Page 26: Telephone Features

The following features are available to announcement delivered. Station users can pick up STRATA DK8 and DK16 station users. All of these the parked call after the page. features are available with digital telephones, and...

## Page 27 S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N

ground Music (BGM) playing over their telephone Call Pickup: By going off-hook and dialing an access code, any station can pick up the following type of...

## Page 28 Callers will hear a fast busy tone. To ensure that important calls are not missed,

Hearing Aid Compatible: All Toshiba telephones are direct CO line calls will mute ring DND stations. hearing aid compatible.

## Page 29 Private CO Lines: The system can be programmed to allow certain “private” CO lines

to appear only on Modular Handset and Line Cords: All Toshiba tele- one digital or electronic telephone and be accessed phones are equipped with modular handset and only by that station.

## Page 30 S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N

Saved Number Redial: After dialing a telephone Timed Reminder: Five separate “reminders”...

## Page 31: Dk8 & Dk16 General Requirements

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N GENERAL Primary power 85 ~ 135VAC...

## Page 32: Dk8 & Dk16 Station Loop Requirements

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Max Loop Resistance Max Distance from Number of...

## Page 33: System Tones

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Ring tone 1 500/640 Hz, modulated by 10 Hz, 1 sec.

## Page 34: Dk8 Key Service Unit Components

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Item Supports Connector Type...

## Page 35: Dk16 Base Key Service Unit Components

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Item Supports Connector Type...

## Page 36: Dk8 & Dk16 Typical Reserve Power Duration Estimates

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N DK16 Base Unit Expansion Unit...

## Page 37: Dk16 Expansion Key Service Unit Components

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Circuits per PCB Interfaces Connector...

## Page 38: Dk8 & Dk16 Feature Capacities

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Maximum Maximum Features...

## Page 39: Dk16 Peripheral Capacity

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N Base Expanded Required Circuit...

## Page 40: Data Interface Specifications

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N ITEM SPECIFICATIONS RS-232C (EIA)

## Page 41: Dk8 & Dk16 System Features

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N STANDARD •...

## Page 42: Dk8 & Dk16 Station Features

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N ELECTRONIC STANDARD STANDARD...

## Page 43 S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N

ELECTRONIC FEATURE DIGITAL...

## Page 44: Glossary

S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N GLOSSARY Auto Attendant.

## Page 45 S T R A T A D K 8 & D K 1 6 A U G U S T 1 9 9 3 G E N E R A L D E S C R I P T I O N

PSTU DK16 eight circuit Standard Telephone Random access memory.

# This manual is also suitable for:

Strata dk16