



# Introduction; System Capacity; Total System Capacity; The Dk8 Key Service Unit - Toshiba Strata DK 16 Installation And Maintenance Manual

Toshiba digital key telephone systems installation and maintenance manual



1  
2  
3  
4  
5  
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7  
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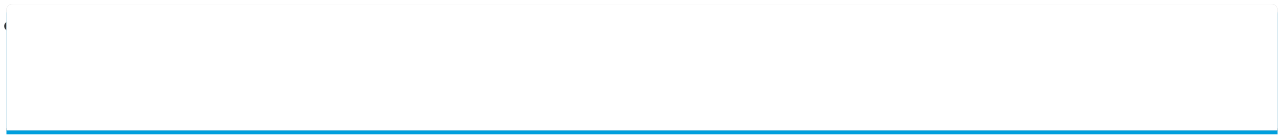
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316  
317  
318

319  
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321



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[Table of Contents](#)

•

## Bookmarks





## 1 INTRODUCTION

1.00 This chapter offers guidelines and considerations on how to configure a STRATA DK8/DK16 system, which can support a wide variety of stations and peripherals.

## 2 SYSTEM CAPACITY

### 2.00 Total System Capacity

2.01 The STRATA DK8/DK16 systems have a modular design which allows them to support a number of station and CO line configurations. The main component of each system is the Key Ser-

vice Unit. The DK8 KSU can have up to 10 stations and four CO lines. The DK16 Base Key Service Unit can have up to 12 stations and four CO lines. An Expansion Key Service Unit can be added to the DK16 to increase the station capacity to 20 and the CO line capacity to eight. Station and CO line configurations are shown in Table 3-A (for DK8) and Table 3-B (for DK16).

## 2.10 The DK8 Key Service Unit

2.11 Station and CO Lines. The DK8 Key Service Unit comes standard with four digital telephone circuits (ports) and two CO line circuits (Table 3-C). An optional printed circuit board called the QCDU can be added to the KSU to provide one CO line circuit and two digital telephone circuits. A maximum of two QCDUs may be added to provide a total of four additional digital telephone circuits and two additional CO line circuits. Another optional printed circuit board called the QSTU can be added to the DK8 KSU to provide two standard telephone circuits.

2.12 Peripherals. The DK8 Key Service Unit can support a number of peripherals, which are not considered as stations and do not affect the maximum station and CO line capacities. A customer-supplied Music-on-hold source, optional reserve power battery and charger, a customer-supplied emergency standard telephone for system power failure occurrences and an amplifier with speaker for paging and night ringing can all be connected to the Key Service Unit (Table 3-C). A relay contact is also provided to control one of the following

### **INSTALLATION-CONFIGURATION**

peripherals: Music-on-hold source, night bell, or page amplifier mute control.

## 2.20 The DK16 Base Key Service Unit

2.21 Station and CO Lines. The DK16 Base Key Service Unit comes standard with eight digital telephone circuits (ports) and four CO line circuits (Table 3-D). An optional printed circuit board called the KSTU can be added to the unit to provide four standard telephone circuits (ports).

2.22 Peripherals. The DK16 Base Key Service Unit can support a number of peripherals, which are not considered as stations and do not affect



the maximum station and CO line capacities. A customer-supplied Music-on-hold source, customer-supplied separate background music source, customer-supplied reserve power batteries, a customer-supplied emergency standard telephone for system power failure occurrences and an amplifier with speaker for paging and night ringing can all be connected to the Base Key Service Unit (Table 3-D). A relay contact is also provided to control one of the following peripherals: Music-on-hold source, night bell, or Page Amplifier mute control.

### 2.30 The DK16 Expansion Key Service Unit

2.31 Station and CO Lines. The optional DK16 Expansion Key Service Unit has four universal slots which can support a maximum of four CO lines and eight stations. Printed circuit boards (PCBs) that support CO lines and can be installed in the Expansion Unit are the PCOU and KCDU (Table 3-E). PCBs that can support stations and be installed in the Expansion Unit are the PDKU, PEKU, PSTU, PESU, and KCDU.

2.32 Peripherals. The Expansion Unit can support either a PIOU or PIOUS PCB, which both provide, among other features, Station Message Detail Recording (SMDR), an interface for a local programming terminal, and connectors for an internal modem (IMDU) for remote maintenance and administration (Table 3-F). Any device that connects to the PIOU or PIOUS should not be considered a station and does not affect the system's station capacity.

## **3-1**

### **SECTION 100-816-203**

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[Table of Contents](#)

[Previous Page](#)  
[Next Page](#)

1  
...  
20  
21  
22  
23  
24  
25  
26  
27

Quick Links:

[Programming](#)

[Dk16 Co Line/Station Configuration Guide \(Base...](#)

## Chapters

[Section 1](#) 6

[Section 2](#) 14

[Table of Contents](#) 21

[Table of Contents](#) 45

[Table of Contents](#) 67

[Table of Contents](#) 109

[Table of Contents](#) 132

[Table of Contents](#) 193

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### [Telephone System Toshiba Strata DK8 Installation And Maintenance Manual](#)

Digital key telephone systems (609 pages)

### [Telephone Toshiba strata DK8 Installation Instructions Manual](#)

(584 pages)

### [IP Phone Toshiba Strata DK 2000-series User Manual](#)

Toshiba digital telephone user guide (164 pages)

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

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Electronic telephone (134 pages)

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### [Telephone Toshiba Strata DK8 User Manual](#)

Digital telephone (90 pages)

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[Strata CIX40 Cix40 Introduction](#)

Toshiba Strata CIX40

[STRATA CTX Introduction](#)

TOSHIBA STRATA CTX

[Strata CIX40 Introduction](#)

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[Strata DK Admin Introduction](#)

Toshiba Strata DK Admin

[Strata CTX100 Introduction](#)

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[Strata CT Digital Business Telephone Solutions Introduction](#)

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[Strata dk8](#)