Stratagy®
Technical Bulletin

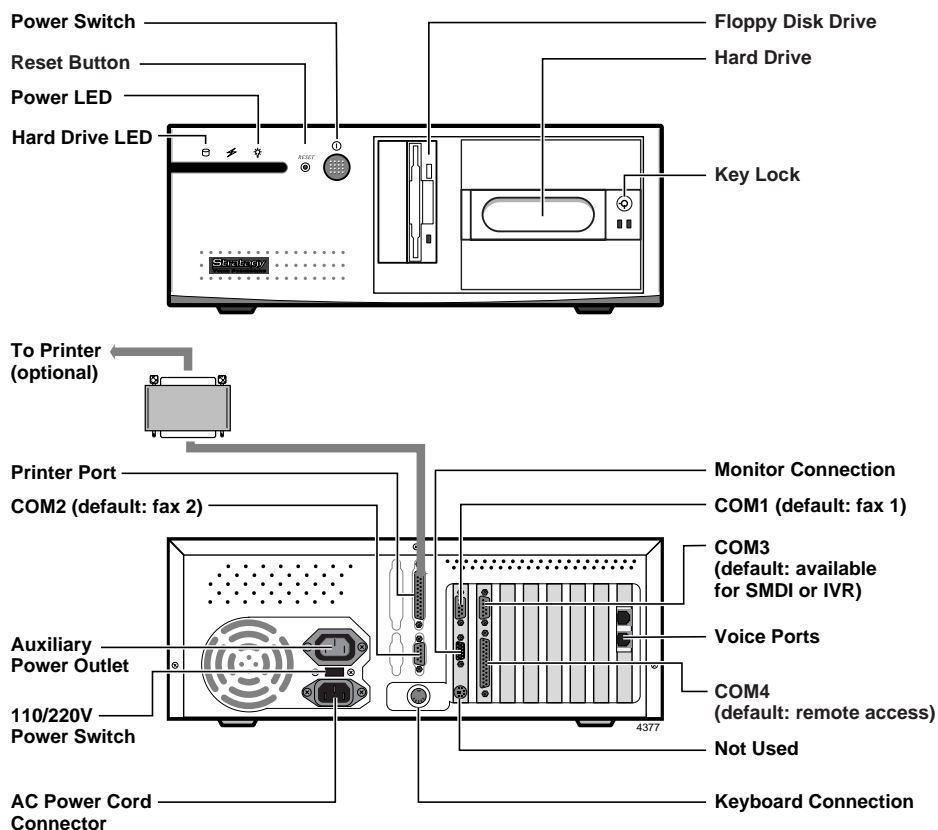## Stratagy 24 Plus Voice Processing System

This bulletin describes the new Stratagy 24 Plus Voice Processing system. The Stratagy 24 Plus is a more robust hardware platform with a 200 MHz Intel® Pentium® processor that uses current Release 2 Stratagy 24 software. This new system supports all of the features of the original Stratagy 24 but is not a replacement for the Stratagy 24. The Stratagy 24 Plus complements the Stratagy 24 to meet the needs of small- to medium-sized businesses requiring a Pentium-based processor.

Hardware Description

Stratagy 24 Plus uses passive backplane Single Board Computer (SBC) architecture – a technology where active circuitry that is normally found on a Personal Computer (PC) motherboard is moved onto a plug-in circuit card for improved reliability and scalability. See the diagram below for external components.

Toshiba America Information Systems, Inc.

The SBC used in the Stratagy 24 Plus features a 200 MHz Intel Pentium processor and contains 4MB of RAM, VGA monitor circuitry and two COM ports.The Stratagy 24 Plus also has a two port SIIG COM board installed, making a total of four COM ports.

The Stratagy 24 Plus is factory equipped with a four-port Rhetorex voice board. The passive backplane has a total of six ISA slots available for voice boards for a maximum of 24 voice ports.

Note   Duet/quartet voice boards cannot be installed in the Stratagy 24 Plus.

The PC's hard disk drive is enclosed in a removable hard drive bay and supports up to 33 hours of voice storage.

Important!   *The key lock for the hard disk drive must be in the locked position for Stratagy 24 Plus to operate.*

The PC's configuration is shown below:

Configuration	Dimensions	Weight	Power Requirements[1]
A Pentium computer running at 200 MHz with: ♦ One 3.5" floppy-disk drive (1.44 MB) ♦ 4~24 ports ♦ Storage capacity of 33 hours ♦ 4 COM Ports (RS-232) ♦ Stratagy Activation Module (SAM)[2]	Height: 6.5" Width: 16.5" Depth: 16.5"	23 lbs.	100~120VAC at 7 amps (50/60 Hz) 200~240VAC at 4 amps (50/60 Hz)
Stratagy 24 Plus VGA monitor (SG-MM-Plus)	Height: 13.3" Width: 12.8" Depth: 12.6"	20 lbs.	
Keyboard (SG-KEYB)			
[1] In areas where the power source is not stable (i.e., frequent power failures, brown outs, etc.), a customer-supplied power Uninterruptible Power Supply (UPS) is also required. [2] Same SAM as the existing Stratagy 24 system (turquoise).			

Note   The Stratagy 24 Plus is FCC registered and is listed with the Underwriters Laboratory (UL). See the *Stratagy General Description* for Stratagy FCC requirements and UL symbol.

Stratagy 24 Plus supports four out of the five following serial communication port (RS-232) options:

♦   Fax/Modem 1 (Available as optional equipment. Fax features are standard.)

♦   Fax/Modem 2 (Available as optional equipment. Fax features are standard.)

♦   Remote Maintenance

♦   IVR Host Connectivity

♦   Simplified Message Desk Interface (SMDI) Integration

Software/Feature Description

The Stratagy 24 Plus is year 2000 compliant and ships with Release 2.25 Stratagy software. All Release 2 features function the same on the Stratagy 24 Plus as they do on all other PC-based Release 2 Stratagy systems. For details on Release 2 features and options, see the Release 2 *Stratagy General Description, Installation and Maintenance Manual*, and *User Guide*.

The optional fax/modem(s) on Stratagy 24 Plus can be used to provide Fax Messaging, Fax on Demand and Fax Back.
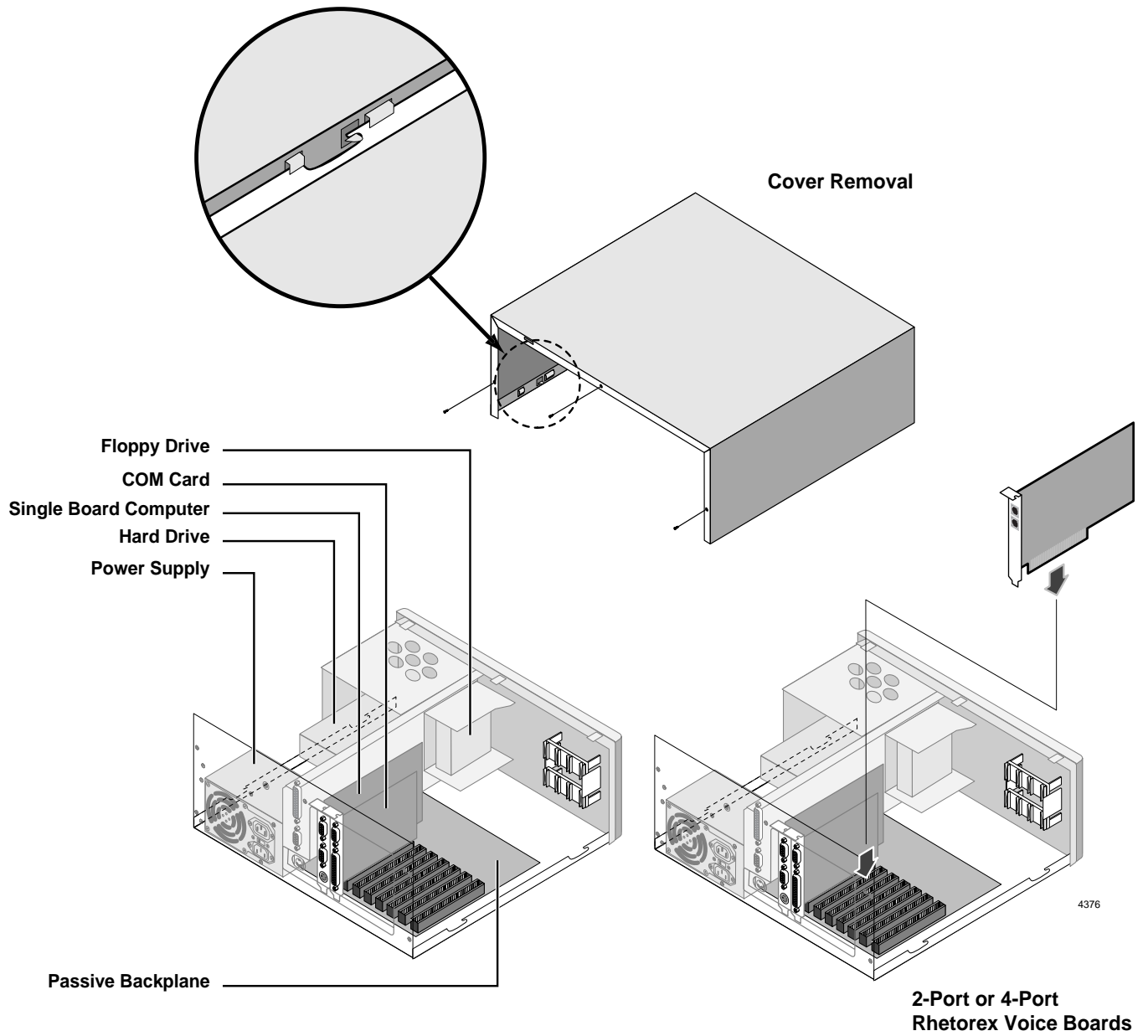
The Stratagy 24 Plus comes preprogrammed for operation with the Strata DK424 systems, and can be plug-and-play configured to work with other Strata DK telephone systems or configured to work with other manufacturers' telephone systems.

The Stratagy 24 Plus supports these Toshiba telephone systems:

♦ Strata DK14/DK8 – all releases

♦ Strata DK40i/DK40/DK16e/DK16 – all releases

♦ Strata DK424/DK280 – all releases

♦ Strata DK24/DK56/DK96 – Release 4

Installation

The procedures for proper installation of the Stratagy 24 Plus are the same as the Stratagy 24. See Chapter 2 - Hardware Installation of the Release 2 *Stratagy Installation and Maintenance Manual* (starting on page 2-9) for installation instructions and the following diagram for Stratagy 24 Plus' internal components.

Cover Removal

Floppy Drive

COM Card

Single Board Computer

Hard Drive

Power Supply

Passive Backplane

4376

**2-Port or 4-Port
Rhetorex Voice Boards**

Accessing and Using

The procedures for accessing and using the Stratagy 24 Plus, both locally and remotely, are the same as the Stratagy 24. See Chapter 3 – Accessing and Using Stratagy of the Release 2 *Stratagy Installation and Maintenance Manual*.

Equipment

Note Many of the equipment items for the current Stratagy 24 are also used on the Stratagy 24 Plus. The Requirements/Comments column in the following table notes shared items.

The following equipment is available from Toshiba as options:

System	Item	Description	Requirements/Comments
24 Plus	SG-24Plus	Stratagy 24 Plus system with 4 ports and 33 hours of storage. Includes keyboard and monitor.	Add 2 or 4-port voice board(s) as required to maximum capacity of 24 ports. **Note** Duet/Quartet voice boards cannot be installed on the Stratagy 24 Plus.
Spare Parts	SG-24P-KIT	Stratagy 24 Plus system spares kit. Includes metal case, passive backplane, power supply and cables.	As desired for spares.
	SG-24P-SBC	Stratagy 24 Plus Single Board Computer. Contains a 200 MHz Intel Pentium processor, 4MB RAM, VGA circuitry, and 2 COM ports.	As desired for spares.
	SG-24P-BP	Stratagy 24 Plus Passive Backplane.	As desired for spares.
	SG-24P-CB	Stratagy 24 Plus cables.	As desired for spares.
	SG-24P-MC	Stratagy 24 Plus metal case.	As desired for spares.
	SG-24P-COM2	Stratagy 24 Plus serial communications card - 2 ports.	As desired for spares.
	SG-MM-Plus	Stratagy 24 Plus VGA monitor.	As desired for spares.
	SG-4MB6L	Stratagy 4MB memory board.	As desired for spares. Same as Stratagy 24.
	SG-PS	Stratagy power supply (110/220VAC)	As desired for spares. Same as Stratagy 24.
Voice Boards	SG-P2R	Stratagy 2-port voice board.	Expands system by two ports. As desired for spares. Same as Stratagy 24.
	SG-P4R	Stratagy 4-port voice board.	Expands system by four ports. As desired for spares. Same as Stratagy 24.

System	Item	Description	Requirements/Comments
Fax	SG-FMOD	Fax/modem (includes RS-232 and modular cables).	Required for Stratagy 16, Stratagy 24 or Stratagy 24 Plus Fax Messaging, Fax Back, etc., applications. One per each port. Same as Stratagy 24.
	SG-FAXAPP-2.03	Stratagy fax application software creates User ID mailboxes for fax application.	It is not necessary to have this software to perform fax features with Stratagy. Does not create fax messaging applications. Same as Stratagy 24.
Disk Drives	SG-HD33	Stratagy Disk Drive - 33 Hours of storage.	As desired for spares. Does not include system software. Same as Stratagy 24.
	SG-FDD	Stratagy floppy-disk drive 3.5".	As desired for spares. Same as Stratagy 24.
SAM	SG-SAM-24	Stratagy Activation Module (SAM).	Required for system operation. Same as Stratagy 24.
Miscellaneous	SG-KEYB	Stratagy keyboard.	As desired for spares. Same as Stratagy 24.
	SG-RMOD	Remote access modem 2400 baud (includes RS-232 and modular cables).	Required for remote access. Also requires remote software installed on portable PC. Same as Stratagy 24.
Software	SG-24S2.0	Stratagy 24 system software version 2.xx. Floppy disk set (2).	Required to support one or multiple Stratagy 24 system(s). Same as Stratagy 24.
	SG-PSE2.0	Stratagy prompts software - English - version 2.x. Floppy disk set (3).	Required to support one or multiple Stratagy system(s) using English prompts. Same as Stratagy 24.
	SG-PSS2.0	Stratagy prompts software - Spanish - version 2.x. Floppy disk set (3).	Required to support one or multiple Stratagy system(s) using Spanish prompts. Same as Stratagy 24.
	SG-PSF2.0	Stratagy prompts software - French-Canadian - version 2.x. Floppy disk set (3).	Required to support one or multiple Stratagy system(s) using French-Canadian prompts. Same as Stratagy 24.
	SG-RS2.0	Stratagy remote software version 1.5 for portable PC. May be installed on more than one portable PC.	Required for remote access on Stratagy 6 Lite, 6, 24 and 24 Plus systems and local access on these systems without keyboard and monitor. Also requires a portable PC or PC and modems. Same as Stratagy 24.