1 Checking the items supplied

Check the contents in the package using the "Contents List". If any items are missing, contact an office listed in the "Contact Information".

2 Reading and understanding "Safety Precautions"

Before using this server, be sure to read and understand the attached "Safety Precautions". Also check it when connecting, installing internal options and setting up this server.

3 Installing internal options

If internal options have been purchased separately, install them before installing the Operating System.

In the following case, do not install the internal options before the OS has been installed.
- Custom Made Service

When installing internal options, perform operations after reading the following manuals.

- User's Guide — "Chapter 6 Installing Internal Options"
- Optional manual — "PRIMERGY ServerBooks"/Supplement"

Install the following option devices after installing the OS. Installing the OS after option devices have been installed will cause the installation operation to end in an error.
- Non-system hard disks
- Internal SCSI optional devices (Backup cabinet, etc.)

After installing internal options, check that the installation order and location are correct and cables are correctly connected.

- SATA hard disk unit

This server has a model with a SATA hard disk installed. The SATA hard disk is designed to be used about eight hours per day for five years with small scale and comparatively low access frequency. Refrain from using for mission-critical tasks in which continuous 24/7/365 operation is necessary, or database in which the access is frequently repeated, and high reliability is required.
To prevent the loss of important data, regular data backup is recommended.

- PRIMERGY RX100 S5 Manuals

Manuals for this server are stored in the PRIMERGY Startup Disc. Insert the PRIMERGY Startup Disc and click [PRIMERGY Manuals] on the [PRIMERGY Startup Disc] screen to refer to the manuals.
The manuals can be read using Acrobat® Reader® or Adobe® Reader®. When using Acrobat® Reader®, use version 5.0 or later.
4 Conditions

Restriction of installation features
When installing this server, avoid the following areas.
- Humid, dusty, or oily smoke areas
- Poorly ventilated areas
- Areas close to fire or other sources of heat
- Areas close to water
- Areas close to direct sunlight or near heating appliances
- Areas with a temperature of below 10°C or above 35°C
- Areas with humidity of less than 20% or more than 80%
- Salty air environments
- Areas where corrosive gas is generated
- Areas where cables become trip hazards
- Areas where strong magnetic fields are generated, such as near TVs and speakers
- Areas where the server is not stable and could tip over and hurt somebody

Install the server into the rack
Be sure to secure the rack with stabilizers to prevent the device from tipping over. For details on installing the rack, refer to the rack manual.

1 Open both the front and rear doors of the rack.

2 Check that the locations where the slide rails and rack nuts will be installed.
The slide rails are attached to the front and rear rack pillars. The rack nuts are attached to the front pillars.

3 Check the right and left of the slide rails.
[RIGHT] is stamped on the right side rail near the rack pillar and [LEFT] is stamped on the left side rail.

4 Remove the inner rail from the slide rail.

[Inside of right rail]

![Slide rail and inner rail](image)

Inner rail
Pin

[Outside]
Press the lock up to release.

![Locking mechanism](image)

* For the left side rail, press down to release.

5 Attach the inner rail to the server.
Set the screws on the server side in the holes of the rail (1), and slide the rail backward to secure it (2).

![Attach the inner rail](image)

![Rack nut](image)

It is secured to this part.

6 Attach the slide rail assemblies and insert the rack nuts into the rack holes.

1. Insert the pins on the rear of the slide rails into the rack.

2. Align the screw location on the front of the slide rails with the rack, and attach the slide rails to the rack along with the washers.

3. Insert the rack nut tabs from inside of the rack pillar to attach the rack nuts.
7 Install the server in the rack.

1. Insert the inner rails attached to the server straight on the grooves in the slide rails.

Do not push the inner rails into the slide rails by force. Fittings of the inner rails may be transformed, and the rails do not move normally.

2. Release the locks on both sides of the inner rails (press up for the right side and press down for the left side), and slide the server backward slowly to install it in the rack.

8 Secure the server to the rack.

Be careful not to pinch your fingers or catch any clothing when sliding the server into the cabinet. This could cause injury.

Install the attached blank panel to the rack, where the server or peripheral devices are not installed.

5 Connecting peripheral devices

Peripheral devices, such as the keyboard and mouse, etc., are connected to the server in the following order.

- The external USB options can be connected to the front USB connectors of the server.
- Connect cables with enough allowance for operation while the device is pulled out from the rack.

- Securing the power cable with the release tie

After connecting the power cable to the server, secure the power cable with the provided beaded tie and release tie to the rear of the server, to prevent the cable from unplugging when the server is pulled forward and out.

When unplugging the cable, make sure to unplug the connector on the server end.
6 Turning on the power and setting hardware

Normally, hardware settings are not required to be changed from the default. However, in the following cases, start each utility and check/change hardware settings.

- When changing the Boot Drive
- When installing/removing optional devices
- When running remote installation

You can write down hardware configuration and setting values of the BIOS Setup Utility in the "Configuration Sheets" that is available from Fujitsu PRIMERGY website (http://primergy.fujitsu.com).

1 Power on the peripheral devices such as the display.

2 Turn the server power on.

3 Set the hardware.
   If no hardware settings are performed, skip to the next step when a message to insert the PRIMERGY Startup Disc is displayed.
   1. When the "<F2> BIOS Setup / <F12> Boot Menu" message appears at the server startup (during POST), press the [F2] key.
   2. Check/change the settings.
   3. Select "Save Changes & Exit" from the Exit menu and press the [Enter] key.

4 Turn the server power off.

For the use of Linux distribution with this server, refer to Fujitsu PRIMERGY website (http://primergy.fujitsu.com).

7 Installing the OS

This section explains the procedures to install the OS using ServerStart.

1 Turn on the server and insert PRIMERGY Startup Disc immediately. ServerStart start up. The select-media window for the configuration file appears.

2 Insert the ServerStart floppy disk supplied with the server. Click [Continue]. ServerStart initialization process starts. After completion, the license agreement window appears.
3 Click [Accept].
The [Welcome to ServerStart] window appears.

4 Select [Quick Installation] and click [Next].
The [Select the Boot Controller and Boot Disk] window appears.

5 Set configuration of the RAID and disks and click [Next].
To install the OS while maintaining the established RAID environment
   Select [Logical Disk 0] and specify partition size to be created. One partition can be created.
   Select [Logical Disk 0] even if the RAID is not required to be created.
To configure RAID
   Select [create new RAID array with one partition] and specify the RAID level to be configured and the size of the partition. All existing RAID will be deleted. Also, one partition can be created.

6 Select the OS to install and click [Next].
The [Configure your unattended Windows Installation] window appears.

7 Set items and click [Next].
The [Summary] window appears.

8 Confirm the settings and click [Start Installation].

9 Click [Start now].
Installation starts.
1. If a message prompts you to insert Array Controller Document & Tool CD, insert the CD-ROM and click [OK].
2. If a message prompts you to insert Service Pack CD-ROM, insert the CD-ROM and click [OK].
3. For Windows Server 2003 x64, a message displays and prompts you to insert Startup Disc Win64 and restart the system. Insert Startup Disc Win64.

10 When a message prompts you to insert the OS CD/DVD, insert the CD/DVD and click [OK].
After files are copied, a message prompts you to eject the CD/DVD and floppy disk.

11 Eject the CD/DVD and floppy disk and click [OK].
The system is restarted. And setup of OS GUI and installation of LAN utility, Service Pack, and Active Directory are performed automatically.

12 When a confirmation message to restart appears, click [Restart].
The system restarts and installs high reliability tools.

Thus the Command Prompt windows may appear and the disappear during installation of ServerView, the installation process is properly proceeding.

13 Press the [Enter] key when a message notifies completion of installation.

14 Restart the system.
Click [Start] – [Shutdown]. Select [Restart] and click [OK]. The system restarts.

15 Settings for the RAID management tool (ServerView RAID).
For detailed information and the setting procedures, refer to the manuals in Array Controller Document & Tool CD.
- Settings of an array administrator account
- Configuration of HDD Check Scheduler
Turning off the power and installing optional devices

Install optional devices to be installed after the OS installation, such as UPS device.

1. Check that no media is inserted in the CD/DVD drive, etc.
2. Exit the OS.
   After the OS is exited, the server is automatically turned off. When the power of the server is not off after the OS is exited, press the power switch on the front of the server.
3. Turn off the power supply of the peripheral devices, such as the display.
4. Install the optional devices.

Hints for error handling

In preparation of a failure occurring, set the following:

- Set to collect memory dump
  If the memory dump is set, debugging information is automatically saved when the STOP error (blue screen) or hang-up occurs in the system.
  This helps to analyze the cause of error occurrence.
- Create a system restoration disk
  When the system file or system environments are damaged, the system can be reconstructed with the content saved in the system restoration disk.
- Store system settings
  Store the BIOS setting information. By storing the BIOS setting information, the original information can be recovered with the stored information in case that the setting information is lost. The stored information is used for the system maintenance.

When the settings are completed, make sure to check notes before operation.

Support and Service

- PRIMERGY information
  For the latest information on PRIMERGY, update modules, drivers and the software, refer to the Fujitsu PRIMERGY website.
  http://www.fujitsu.com/global/services/computing/server/ia/driver/
  Regarding BIOS and firmware, contact to Fujitsu Support Office. Refer to the following website.
  http://www.fujitsu.com/global/contact/computing/PRMRGY_index.html
Before requesting repairs
If an error occurs in this server, refer to "User's Guide 8.2 Troubleshooting". If problems can still not be solved, contact an office listed in the "Contact Information". When contacting the office listed in the "Contact Information", inform them of the product ID and manufacture number that are detailed on labels on the right side of the server front.

Also read the points to note about requesting repairs beforehand in "User's Guide 8.8.1 Contacting Maintenance Support". Print the "Configuration Sheets"- "Accident sheet" that is available from Fujitsu PRIMERGY website (http://primergy.fujitsu.com) and enter the confirmed information. Send this sheet and the stored BIOS setting information to your maintenance engineer.

11 Recycle

When disposing of this server, contact an office listed in the "Contact Information". This server must be disposed of as industrial waste.

Contact Information

**Australia:**
Fujitsu Australia Limited  
Tel: +61-2-9776-4555  
Fax: +61-2-9776-4556  
Address: 2 Julius Avenue (Cnr Delhi Road) North Ryde, Australia N.S.W. 2113

**China:**
Fujitsu (China) Holdings Co., Ltd.  
Tel: +86-21-5292-9889  
Fax: +86-21-5292-9566  
Address: 18F, Citic Square, 1168 West Nanjing Road Shanghai, China 200041

**Hong Kong:**
Fujitsu Hong Kong Limited  
Tel: +852-2827-5780  
Fax: +852-2827-4724  
Address: 10/F., Lincoln House, 979 King’s Road Taikoo Place, Island East, Hong Kong

**Indonesia:**
PT. Fujitsu Systems Indonesia Offices Headquarters  
Tel: +62-21-570-9330 (Hunting)  
Fax: +62-21-573-5150  
Address: Wisma Kyoei Prince 10th Floor Jl. Jend. Sudirman Kav 3-4 Jakarta, Indonesia 10220

**Korea:**
Fujitsu Korea Ltd.  
Tel: +82-2-3787-6000  
Fax: +82-2-3787-6066  
Address: Susong Tower Building, 83-1 Susong-Dong Jongno-Gu, Seoul, Republic of Korea 110-140

**Malaysia:**
Fujitsu (Malaysia) Sdn. Bhd.  
Tel: +60-3-8318-3700  
Fax: +60-3-8318-8700  
Address: 1st Floor, No.3505 Jalan Technokrat 5 63000 Cyberjaya, Selangor Darul Ehsan Malaysia

**Philippines:**
Fujitsu Philippines, Inc.  
Tel: +63-2-812-4001  
Fax: +63-2-817-7576  
Address: 2nd Floor, United Life Building, A. Arnaiz Legaspi Village, Makati, Metro Manila Philippines

**Singapore:**
Fujitsu Asia Pte. Ltd.  
Tel: +65-6777-6577  
Fax: +65-6771-5502  
Address: 20, Science Park Road, #03-01 TeleTech Park, Singapore Science Park II, Singapore 117674

**Taiwan:**
Fujitsu Taiwan Limited  
Tel: +886-2-2311-2255  
Fax: +886-2-2311-2277  
Address: 19F, No.39, Section 1, Chung Hwa Road Taipei, Taiwan

**Thailand:**
Fujitsu Systems Business (Thailand) Ltd.  
Tel: +66-2-500-1500  
Fax: +66-2-500-1555  
Address: 12th Floor, Olympia Thai Tower, 444 Rachadapisek Road Samsennok, Huaykwang, Bangkok, Thailand 10310

**Vietnam:**
Fujitsu Vietnam Limited  
Tel: +84-4-383-3895  
Fax: +84-4-383-3898  
Address: Unit 802-8th floor, Fortuna Tower Hanoi 6B Lang ha Street, Ba dinh District, Hanoi Socialist Republic of Vietnam

**United States:**
Fujitsu Computer Systems Corporation  
Tel: +1-800-831-3183  
Fax: +1-408-496-0575  
Address: 1250 East Arques Avenue, Sunnyvale, CA USA 94088-3470

For the latest information, refer to the Fujitsu PRIMERGY website (http://primergy.fujitsu.com).
Notes

Data Backup
To protect data stored in this device (including basic software and application software), perform backup and other necessary operations. Note that data protection is not guaranteed when repairs are performed. It is the customer's responsibility to maintain backup copies in advance.
In case of data loss, Fujitsu assumes no liability for data maintenance or restoration and damages that occur as a result of the data loss for any reason, except for items covered under warranty.

High Safety
The Products are designed, developed and manufactured as contemplated or general use, including without limitation, general office use, personal use, household use, and ordinary industrial use, but are not designed, developed and manufactured as contemplated for use accompanying fatal risks or dangers that, unless extremely high safety is secured, could lead directly to death, personal injury, severe physical damage, or other loss (hereinafter "High Safety Required Use"), including without limitation, nuclear reaction control in nuclear facility, aircraft flight control, air traffic control, mass transport control, medical life support system, missile launch control in weapon system. You shall not use this Product without securing the sufficient safety required for the High Safety Required Use. If you wish to use this Product for High Safety Required Use, please consult with our sales representatives in charge before such use.

Problems may occur with this device in the event of an instantaneous voltage drop of the power supply due to lightning, etc. To prevent an instantaneous voltage drop of the power supply, we recommend that you use an uninterruptible power supply system.

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1. You acknowledge that Fujitsu cannot guarantee that the Software will be error free and you acknowledge that Software will not be uninterrupted, that the Software will be error free or that all Software errors will be corrected. However, (i) within ninety (90) days following your acquisition of the server you notify the reseller from whom you have acquired the server of non-conformance of the Software to the description in the documentation, or (ii) within one (1) month following your acquisition of the server you notify the reseller from which you have acquired the server of physical defects of the media containing the Software, Fujitsu will, at its sole discretion, correct the non-conformance or provide you with information necessary to correct the non-conformance, or replace the defective media with new media. Only if you inform such reseller of your problem with the Software during the above mentioned warranty period and provide satisfactory evidence of the date you acquired the server Fujitsu will be obligated to honor this warranty.
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