

fi-434PR Imprinter User's Guide: Option

User's Guide

ユーザーズガイド

English

Japanese

fi-434PR Imprinter User's Guide: Option

English

FCC Declaration:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Warning:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTICE**

- The use of a non-shielded interface cable with the referenced device is prohibited. The length of the parallel interface cable must be 3 meters (10 feet) or less. The length of the serial interface cable must be 15 meters (50 feet) or less.
- The length of the power cord must be 3 meters (10 feet) or less.

ICES:

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Energy Saving:

As an ENERGYSTAR[®] Partner, PFU Limited has determined that this scanner meets ENERGYSTAR[®] guidelines for energy efficiency. ENERGYSTAR[®] is a U. S. registered mark.

High Safety Required Use:

The Product is designed, developed and manufactured as contemplated for general use, including without limitation, general office use, personal use and household use, but is 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 power core control, airplane control, air traffic control, mass transport operation control, life support, weapon launching control. The Customer shall not use the Product without securing the sufficient safety required for the High Safety Required Use. In addition, Fujitsu (or other affiliate's name) shall not be liable against the Customer and/or any third party for any claims or damages arising in connection with the High Safety Required Use by the Customer of the Product.

- The contents of this manual may be revised without prior notice.
 - We are unaccountable for any damages or passive damages from the use of this equipment or this manual and any compensation of third party.
 - The details of warranty is described in the warranty document pre-packaged.

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Introduction

Thank you very much for purchasing the fi-434PR Imprinter Option.

This guide explains how to install and use the imprinter.

This guide also contains important information such as procedures for cartridge replacement.

Keep this guide in safety custody.

Unpack the imprinter and check that all the components listed in Table 1.1 are included.

Conventions

Important information that requires special attention is indicated as follows:



WARNING

WARNING indicates that serious personal injury may result if you do not follow a procedure correctly.



CAUTION

CAUTION indicates that minor personal injury, loss of data, or damage to the scanner may result if you do not follow a procedure correctly.

Official Fujitsu part names are indicated with an initial capital letter, as in the part name "Pick Roller".



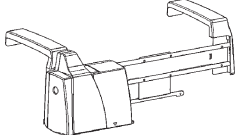
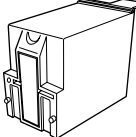

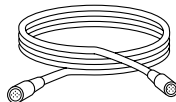
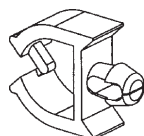
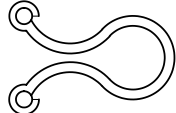

NOTICE

A NOTICE provides "how-to" tips or suggestions to help you perform a procedure correctly.

1. Components of the Imprinter

Table 1.1 shows the imprinter components.

Table 1.1 Imprinter Components

Component	Quantity	External View
Imprinter Unit	1	
Print Cartridge	1	
Operator's Guide	1	
Imprinter Cable	1	
Clamp (black)	2	
Clamp (white)	1	
Screw	2	

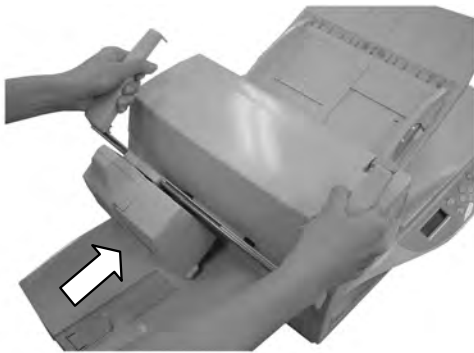
2. Installation

(1) Installing the Imprinter

Install the imprinter as follows:

- ① Prepare a Phillips screw driver.
- ② Turn off the scanner and disconnect the power cable.
- ③ (1) While pushing the lower part of the imprinter against the scanner,
(2) hang the arms on the ADF unit. Push down the ends of the arms to mount the imprinter on the scanner.

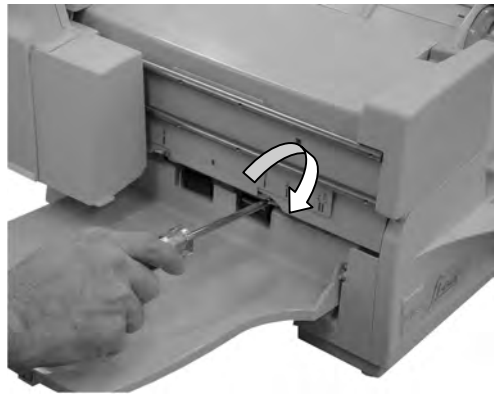
(1)



(2)



- ④ Move the imprinter unit to the left and secure it with the two screws included with the imprinter components.



When removing the imprinter, reverse the installing procedures.

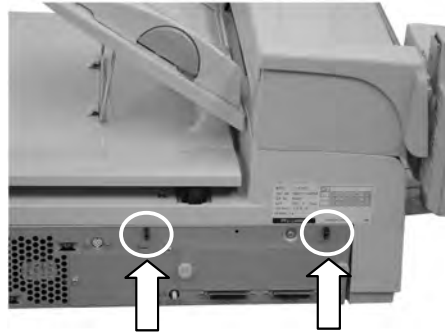
(2) Mounting the Clamps and Connecting the Imprinter cable

Two types of clamps are used for securing the imprinter cable. Mount the clamps as follows:
Note: The imprinter cable should be connected after the clamps have been mounted.

Clamps (black)

Use these clamps (black) to fix the imprinter cable.

- 1 Insert the clamps into the holes on the back of the scanner.



Clamp (white)

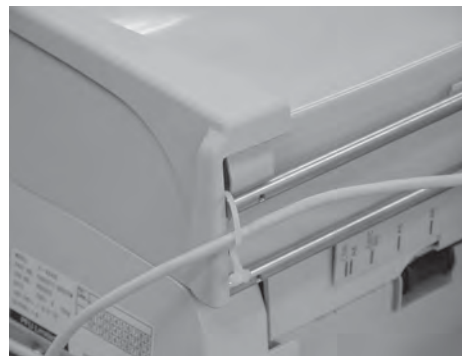
The clamp (white) holds the imprinter cable loosely. If the imprinter cable hangs down loosely in the way of the paper path, use this clamp.

- 2 Place the clamp (white) at the left of the upper imprinter shaft.



Connecting Imprinter cable

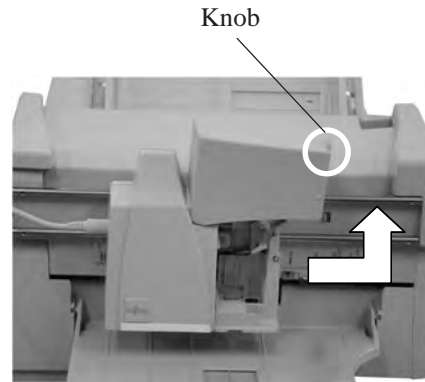
- 3 Fasten the imprinter cable with the clamps (black) as shown in the bottom figure.
- 4 Hold the imprinter cable with the clamps (white) if necessary as shown in the bottom cable.
- 5 Connect the imprinter cable to the scanner and to the connector of the imprinter.



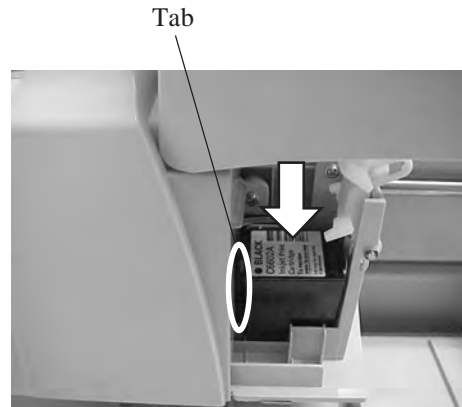
(3) Mounting the Print Cartridge

Mount the print cartridge as follows:

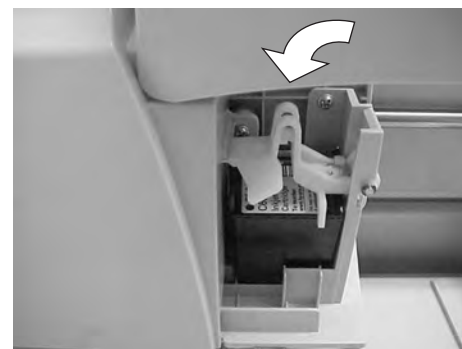
- 1 Turn off the scanner and disconnect the power cable.
- 2 Hold and raise the knob of the imprinter cover in the direction of the arrow to open the cover.
Insert the print cartridge so that its tab is positioned



- 3 toward the left as shown in the figure to the right.
Lower the lever gently until it locks in place to



- 4 secure the print cartridge.



(4) Operation Test

After installing the imprinter, check if the printing operation can be done by using the Offline Print Test mode of the scanner.

■ Print test mode


This mode tests the printing performance of the imprinter.

Turn the power on while pressing the [Exit] button on the scanner's operator panel.

The scanner enters the imprinter test mode and the LCD displays "Print Test".

- 1 Place paper on the ADF paper chute.
- 2 Press the [Start] button.
- 3 One sheet of paper is fed and printed.
- 4 To print another sheet of paper, press the [Start] button again.
- 5 With three pages printed, you can check all characters available for printing. (Printing characters are listed in Chapter 7, "Specifications".)
- 6 To exit the <<Print Test>>, turn off the power.

(Screen 1)



P r i n t T e s t

CAUTION

Use an A4 or letter size page for the imprinter test. Shorter paper may cause printing to stop halfway.

3. Operation

(1) Replacing the Print Cartridge

Replace the print cartridge as follows:

- 1 Turn off the scanner and disconnect the power cable.
- 2 Hold and raise the knob of the imprinter cover in the direction of the arrow to open the cover.

Knob

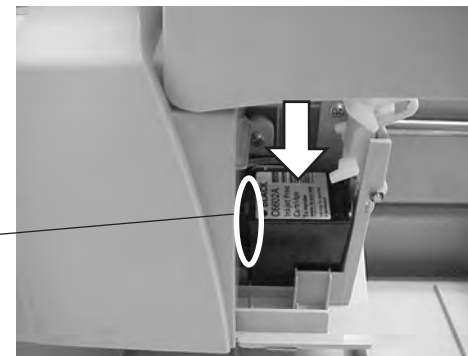


- 3 Unlock the lever which secures the print cartridge and open the lever upward.

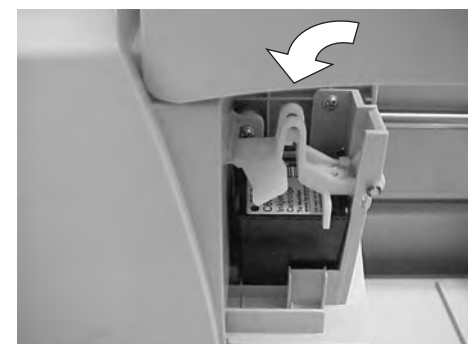


- 4 Hold and remove the old print cartridge. Insert a new print cartridge so that its tab is positioned toward the left.

Tab



- 5 Lower the lever gently until it locks in place to secure the print cartridge.



(2) Reset of the Ink Remain Counter

You must reset the ink remain counter whenever you replace the print cartridge.

When you install the print cartridge, the ink remain counter will automatically count every character printed and a message “Please a new Ink” is displayed on the operator panel when the remaining ink is running short. If this message appears (during read operation), prepare a new ink cartridge. When the imprinter cannot print any more, replace the print cartridge with the new one and access the “Ink remain counter reset” in Setup mode.

Access the “Ink remain counter reset” operation even if you replace the print cartridge before the alarm.

Setup item	Options	Remarks
Ink remain counter reset	Reset, No	

- 1 At the Ready screen, press the [Next] button three times. The Setup mode initial screen appears. (screen 1)

```

                                X X X X
R e a d y           X X X X X 0
  
```

(Screen 1)

```

M o d e   S e l e c t   2
!   S e t u p   M o d e
  
```

- 2 At screen 1, press the [Enter] button. The first setup item “Double Feed” appears. (Screen 2)

(Screen 2)

```

! 0 1   D o u b l e   F e e d
= N o / Y e s → 1 / 2 : S t o p
  
```

- 3 At screen 2, press the [Previous] or [Next] button repeatedly until the item “Ink remain” appears.

```

! 2 1   I n k   r e m a i n
= ■ □ □ □ □ □   R e s e t / N o
  
```

(Screen 3)

```

! 2 1   I n k   r e m a i n
= ■ □ □ □ □ □   R e s e t / N o
  
```

- 4 Press the [◁] button. “Reset” blinks. (Screen 3)

- 5 At screen 3, press the [ENTER] button. The reset execution screen appears.

```

! 2 1 - 1   R e s e t   N o w
                N o / Y e s
  
```

- 6 Press the [▷] button. “Yes” blinks. (Screen 4)

(Screen 4)

```

! 2 1 - 1   R e s e t   N o w
                N o / Y e s
  
```

- 7 Press the [Enter] button to perform the reset operation. The ink remain display returns to ■■■■■■. (Screen 5)

(Screen 5)

```

! 2 1   I n k   r e m a i n
= ■ ■ ■ ■ ■ ■   R e s e t / N o
  
```

- 8 Press the [Exit] button. The LCD returns to the Ready screen.

```

                                X X X X
R e a d y           X X X X X 0
  
```

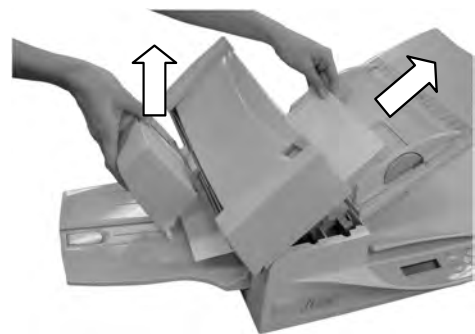
(3) Clearing Paper Jam

If paper jams, clear the jammed paper as follows:

- 1 Remove all the documents on the stacker except the jammed paper.
- 2 Open the ADF cover. The imprinter automatically moves as shown in the figure.



- 3 Remove the jammed paper.
If the imprinter unit presses down on the paper, hold the handle part (see the figure below for details) and slightly lift the imprinter unit from the stacker to remove the paper.



(4) Cleaning the Nozzle Surface of the Print Cartridge

Ink or stains stuck to the nozzle surface of the print cartridge or leaving the imprinter unused for a while cause poor printing of characters because of blocked emission holes in the nozzle. If your imprinter has this trouble, clean the nozzle surface of the print cartridge.

NOTE

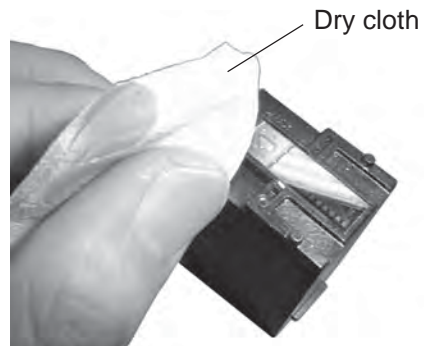
For cleaning, use dry cloth or a lint free cloth, and gently wipe off dirt and stain from the surface of the nozzle. (Do not use tissue paper.)

Clean the nozzle surface as follows:

- 1 Remove the print cartridge. (Refer to Item (1) in this chapter.)



- 2 Gently wipe off the dirt and stain from the nozzle surface.



- 3 Make sure that the dirt and stain are all removed and then reinstall the print cartridge. (Refer to Item (1) in this chapter.)

(5) Cleaning the Imprinter Base

With increased use of the imprinter, dirt such as ink sticks to the imprinter base, causing dirt on the paper. As part of daily maintenance, clean the imprinter base by following the procedure below:

NOTE

When cleaning, gently wipe off dust on the imprinter base, especially the dotted area below, with an absorbent item that can remove the ink. If the ink hardens, gently wipe with a moistened cloth. (Since the ink is water-soluble, it can be cleaned with water.)

Clean the imprinter base as follows:

- 1 Lift the imprinter.



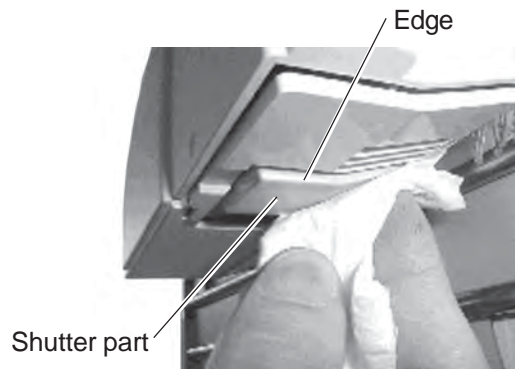
- 2 Clean the imprinter base.

Clean the base especially focusing on the dotted area.



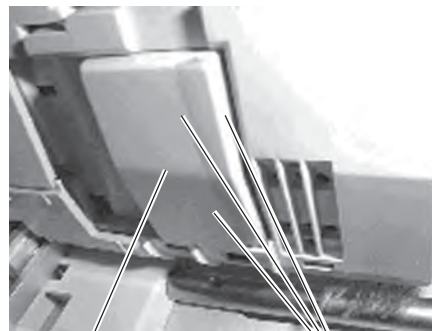
Enlarged figure





As shown in the above figures, press a cloth against the edge and base of the shutter part and wipe out dirt.

- 3 Check that the dirt is wiped out and gently return the imprinter to its original position.



Base

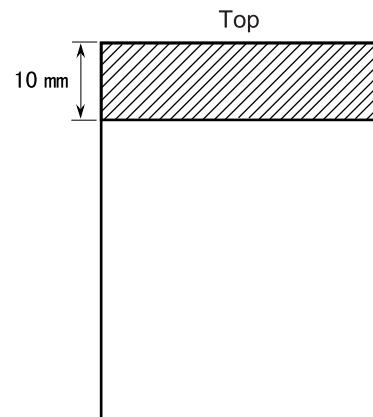
Check whether the base is cleaned completely.

CAUTION

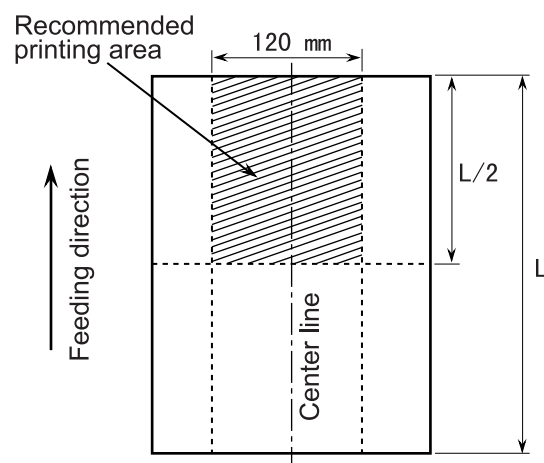
[DAMAGE]
Use a cloth that is either dry or dampened with water when you clean the imprinter.
Use of the F1 or F2 cleaner may damage the imprinter.

4. Precautions

1. When installing or replacing the print cartridge, be careful not to insert out of position.
2. When printing near the edge of paper, note that printing may go across the edge depending on the setting position of the imprinter.
3. The "▽" mark on the imprinter indicates the printing position.
4. Be careful not to touch the contacts or the nozzle on the bottom of the print cartridge. Poor printing or loose contact may occur.
5. Do not move the imprinter during printing. Printing may be out of order.
6. Do not shock the imprinter or the print cartridge. Poor printing may occur.
7. The shaded area shown at the right is used for the paper sensor to check the document. Note that the reflection rate of this area must be more than 50%. (There must be no painting in this area) Never punch binding holes in this area.



8. The imprinter prints characters by spraying ink directly to the paper being ejected. Due to this printing method, printing may be unclear depending on printing positions. For clear printing, use the recommended printing area shown at the right. When using paper thinner than 0.06 mm (less than 52g/m² (13.9 lb), printing may become more unclear and illegible. Especially in this case, the recommended printing area should be used.



5. Error Messages

When the following error messages are displayed on the operator panel, the imprinter is malfunctioning. Recover the imprinter according to the means following the cause.

P r i n t A l a r m

Possible causes are as follows:

- The imprinter is set out of the paper path.
 - ▶ Set the imprinter in place.
- The stacker is full of documents.
 - ▶ Remove documents from the stacker.

I m p r i n t e r A l a r m

Possible causes are as follows:

- Loose contact of the signal electrodes of the print cartridge.
 - ▶ Reinsert the print cartridge in place.
- The imprinter cannot correctly communicate with the scanner.
 - ▶ Connect the imprinter cable correctly.
- The motor, sensor, or program memory is out of order.
 - ▶ Turn off the power, and then turn on again.

N o I n k C a r t r i d g e

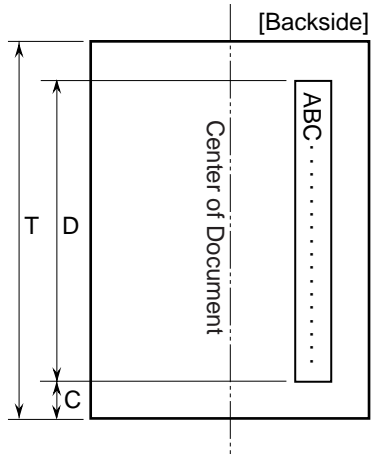
Possible causes are as follows:

- The print cartridge is not installed.
 - ▶ Insert the print cartridge.

6. Specifications

Table 1.1 presents the imprinter specifications.

Table 1.1 Imprinter Specifications

Item	Specification
Printing Method	Thermal inkjet printing
Printed Characters	Alphabet Letters: A to Z, a to z Numeric Characters: 0, 1 to 9 Symbols: ! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ ` { } ~
Maximum Number of Characters Printed	40
Character Size	
Character Pitch	Height 2.91 mm to width 2.82 mm
Printing Area	About 3.53 mm
	<p>The printable area of the backside of document is as follows:</p> <p>T Length of document $D \leq 140.5$ mm (for 40 columns) $C \geq 70.0$ mm</p> <p>$T - (C + D) \geq 7$ mm</p> 
Consumable	Print Cartridge (Supply No. CA00050-0262)

Declaration of Conformity



Declaration of Conformity

Responsible Party: FUJITSU COMPUTER PRODUCTS OF AMERICA, INC.
Address: 2904 ORCHARD PARKWAY
SUN JOSE, CA95134-2009, U.S.A.
Phone Number: (408)432-6333
Fax Number: (408)894-1709

Hereby declares that the product

Product name : Imprinter(Image Scanner Option)

Model Number: fi-434PR

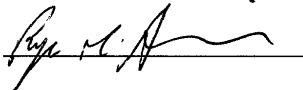
Conforms the following specifications:

FCC part 15, Subpart B, Class B Digital Device

Supplementary Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Person

Name : Reza Majidansari
Title: V.P. IPG. Engineering
Peripherals, Scanners and Software
Signature: 
Date: 11/26/01



Declaration of Conformity

According to EN45014

PFU Limited, Unoke-Machi Kahoku-Gun Ishikawa 929-1192 Japan

declares under our sole responsibility that the product including the options or accessories

Product Type: Imprinter (Image Scanner Option)
Model Number: fi-434PR

to which this declaration relates is in conformity with the following standards:

Electromagnetic Compatibility Directive 89/336/EEC, 92/31/EEC, 93/68/EEC
Low Voltage Directive 73/23/EEC, 93/68/EEC

European Standards:

EN55022 1998 Class B
EN55024 1998
EN61000-4-2 1995+A1 : 1998
EN61000-4-3 1996
EN61000-4-4 1995
EN61000-4-5 1995
EN61000-4-6 1996
EN61000-4-11 1994
EN61000-3-2 1995+A1+A2
EN61000-3-3 1995
EN60950 1992+A1+A2+A3+A4+A11

The product of safety has been evaluated to EN60950 and has been confirmed to comply with all related requirements of EN60950.

Importer / Distributor in EU:

Fujitsu Europe Ltd.,

Hayes Park Central, Hayes End Road, Hays, Middlesex, UB4 8FE, England, UK.

Place of Issue: Japan
Date of Issue: October 18, 2001
Authorized by: Norio Kanemitsu Signature: N. Kanemitsu
Title of Authority: General Manager
Development DIV. II

PFU Limited
Unoke-Machi,
Kahoku-Gun,
Ishikawa 929-1192,
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