SIEMENS

SIMATIC

Industrial PC
SIMATIC Panel PC 477B

Operating Instructions (Compact)

05/2007
A5E01023488-01

Trademarks

All names identified by ® are registered trademarks of the Siemens AG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

Siemens AG
Automation and Drives
Postfach 48 48
90437 NÜRNBERG
GERMANY

A5E01023488-01
℗ 05/2007

Copyright © Siemens AG 2007.
Technical data subject to change

Table of contents

1	**Operating Instructions (Software)**		**5**
	1.1	Components of the Product	5
	1.2	Installing the Compact Flash card	6
	1.3	Commissioning - Initial Startup	9

Operating Instructions (Software) 1

1.1 Components of the Product

Amount	Designation	Description
1	Compact Flash card	Contains an image file with the original software package.
1	Restore CD	Contains an image file with the original software package.
	Getting Started SIMATIC Panel PC 477B	Describes the installation of the Compact Flash card and commissioning of the device.
	COA	Microsoft Windows "Product Key" from the "Certificate of Authenticity" (COA)

1.2 Installing the Compact Flash card

The Compact Flash contained in the software package can be optionally installed internally or in the external module receptacle. For reasons of security, we recommend you install the Compact Flash card with the filled software image in the internal receptacle.

Notice
Risk of damage The Compact Flash slots are not hot-plug capable. The Compact Flash card must be installed before the device is switched on and should only be removed when the device is switched off.

Preparatory steps

Disconnect the device from the power supply.

⚠ Caution
The electronic components on the PCBs are highly sensitive to electrostatic discharge. Always take appropriate precautionary measures when handling these components. Refer to the ESD directives on handling electrostatic sensitive components.

Caution
If the Compact Flash card meets resistance, flip it over. Never force the Compact Flash card into the slot with pressure. The Compact Flash slots are coded against reversed insertion of Compact Flash cards. Insert the Compact Flash card in the slot with the connector facing in until it locks into place.

Installing the Compact Flash card in the internal module receptacle

The default setting in the BIOS shows this CF slot as the first device after the Compact Flash card is inserted and the device is switched on.

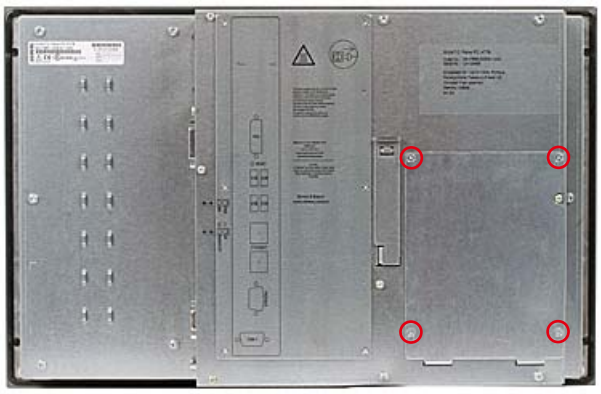

Figure 1-1 Cover removed

1. Remove the cover at the rear of the device. Use a Torx T8 screwdriver.

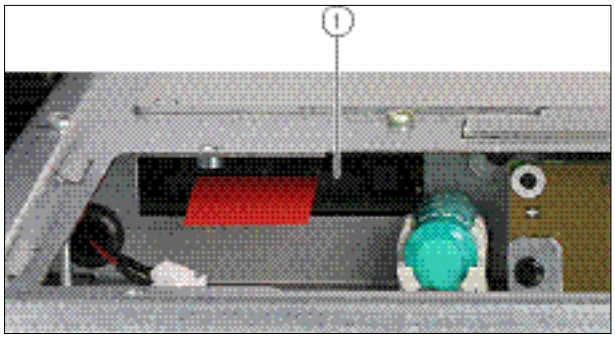

Figure 1-2 Insert the Compact Flash card

2. Insert the Compact Flash card (1) in the slot with the connector facing in until it locks into place.
3. Fasten the cover.

Installing the Compact Flash card in the external module receptacle

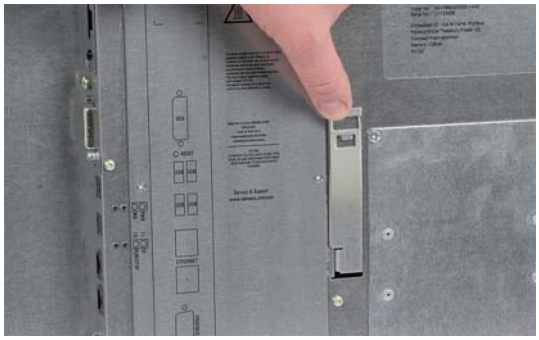

Figure 1-3 Cover

1. Open the cover of the module receptacle. First push the cover up and then pull it outward. The module receptacle is located on the rear of the device.

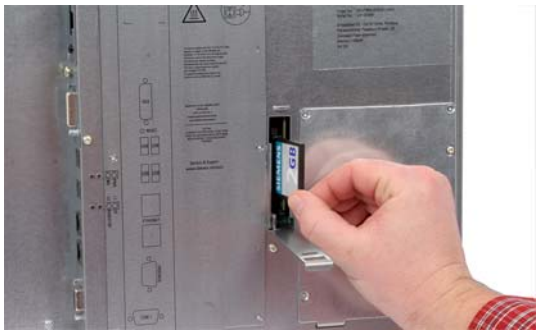

Figure 1-4 Installing the Compact Flash card

2. Insert the Compact Flash card in the module receptacle with the connector facing in until it locks into place.
3. Close the cover.

Final work

Connect the device again to the power supply.

1.3 Commissioning - Initial Startup

Initial turn-on

Notice
The device may not be switched off at any time during the installation process. Do not change the default BIOS settings, otherwise the operating system setup may become corrupted.

Notice
A USB mouse is required in any case for commissioning touch devices.

When the computer starts up for the first time, the preinstalled Windows XP operating system on the Compact Flash card is configured automatically. The BIOS settings need not be changed.

Proceed as follows at switch on the device:

1. Connect the device to the 24 V DC power supply. The PC performs a self-test (POST). During the self-test, this message appears:

   "Press <F2> to enter Setup or <Esc> to show Bootmenu"

2. Wait until this message is cleared, then follow the instructions on the screen.

Note

System startup can take longer than usual for the basic commissioning. You will see a blue screen for several minutes.

Errors and warnings can be displayed in the status bar, with the first and second switch on of the first basic commissioning or after a restore procedure. They have no effect on the operation of the device and can be ignored.

3. After you have entered all the necessary information and the operating system is configured, you are prompted to restart the system.
4. Acknowledge the prompt with "Yes".

Note

When you switch on the PC now, the user interface of the Windows XP Embedded operating system is automatically opened when the startup routine is completed.

5. To prevent data loss, create an image of the system partition after initial commissioning.

Shutdown

Switch off the device with "Start > Shutdown".

Note

If the Enhanced Write Filter is active and no data has been written to the Compact Flash card, then the device can be switched off by disconnecting it from the power supply.