Pro-face

Human Machine Interface

Pro-face

Windows XP Embedded

Users Manual

CF card capacity   : 1GB
File system   : FAT16

Supported language : Japanese version
                       Multi-language version

Preface

Thank you for purchasing Pro-face's Windows XP Embedded (Hereafter referred to as the "XPE").

Before using the XPE, be sure to read this manual thoroughly to familiarize yourself with the XPE's operation procedures and functions.

Supported Model List

Series	Unit model	Unit revision	Supported CF card model	Volume label
PS-2000B	PS2000B-41	No Rev. or later	PS2000B-XPE1G-J1-BLD	2000BXPEJ1 or later
			PS2000B-XPE1G-M1-BLD	2000BXPEM1 or later
PS-3700A (Eden)	PS3700A-T41-ASU-E66	Rev. E or later	PS3700A-XPE1G-E6-J1-BLD	3700E6XPEJ1 or later
			PS3700A-XPE1G-E6-M1-BLD	3700E6XPEM1 or later
PS-3701A (Eden)	PS3701A-DU-E66	Rev. I or later	PS3701A-XPE1G-E6-J1-BLD	3701E6XPEJ1 or later
			PS3701A-XPE1G-E6-M1-BLD	3701E6XPEM1 or later
PS-3700A (Pentium4)	PS3700A-T41-ASU-P41	Rev. E or later	PS3700A-XPE1G-P4-J1-BLD	3700P4XPEJ1 or later
			PS3700A-XPE1G-P4-M1-BLD	3700P4XPEM1 or later
PS-3650A PS-3651A	PS365∗A-T41 PS365∗A-T41-24V	No Rev. or later	PS365XA-XPE1G-J1-BLD	365XAXPEJ1 to 365XAXPEJ2
			PS365XA-XPE1G-M1-BLD	365XAXPEM1 to 365XAXPEM2
PL-6930T PL-7930T PL-6931T PL-7931T	PL∗93∗-T41 PL∗93∗-T42-CM PL∗93∗-T42-PM	No Rev. or later	PLX930-XPE1G-J1-BLD	PLX930XPEJ1 to PLX930XPEJ3
			PLX930-XPE1G-M1-BLD	PLX930XPEM1 to PLX930XPEM3

*   The last digit of the volume label indicates a version number which corresponds to the software revision.

*   The newest manual, Driver and Utility can be downloaded from the Digital Electronics Corporation's homepage.
Also often questions and helpful informations are uploaded as Q&A to Digital Electronics Corporation's homepage.
Please refer them to the purpose of usage.   http://www.pro-face.com/otasuke/

NOTE

1. It is forbidden to copy the contents of this manual in whole, or in part, without the permission of the Digital Electronics Corporation.

2. The information in this manual is subject to change without notice.

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Trademark / Tradename	Right Holder
Microsoft, Windows	Microsoft, U.S.
Pro-face	Digital Electronics Corporation (in Japan and other countries)
Adobe, Flash, Shockwave	Adobe Systems Incorporated

The following terms differ from the abovementioned trade names and trademarks.

Term used in this manual	Formal Trademark or Tradename
Windows XP OS	Microsoft$^{®}$ Windows$^{®}$ XP operating system
Adobe Reader	Adobe$^{®}$ Reader$^{®}$
Flash Player	Adobe$^{®}$ Flash$^{®}$ Player
Shockwave Player	Adobe$^{®}$ Shockwave$^{®}$ Player
Windows Media Player	Windows Media$^{®}$ Player

How to use this manual

This manual makes special mention of XPE's feature and setup method.

For the hardware-related instructions for use, setup methods, and so on, refer to the Instruction guide, which is contained in this package or IPC (Industrial Personal Computer) Series Hardware Manual.

For the software-related instructions, setup method of software, and so on, refer to the IPC (Industrial Personal Computer) Series Reference Manual.

Information Symbols

This manual uses the following icons:

| IMPORTANT	Indicates a warning or a product limitation. Be sure to follow the instructions given with this icon to insure the safe operation of the XPE.
NOTE	Contains additional or useful information.
*	Indicates terms or items that require further explanation. See the footnote on that page.
(1) (2)	Indicates steps used to accomplish a given task. Be sure to follow these steps in the order they are written.
XPE	Refers collectively to the Windows XP Embedded.
☞	Indicates pages containing related information.

Package Contents

The following items exclusively for XPE are included in the package. Before using the XPE, please confirm that all items listed here are present.

Windows XP Embedded
User Manual CD (1)   End User LicenseAgreement (EULA)(1)
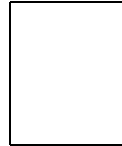
About User Manual of the Windows XP Embedded(1)

NOTE • PL-6930 and PL-7930 Series Rev.B contain only End User License Agreement (EULA).
     • This unit has been carefully packed, with special attention to quality. However, should you find anything damaged or missing, please contact your local XPE distributor immediately.
     • The newest manual, Driver and Utility can be downloaded from the Digital Electronics Corporation's homepage.
       http://www.pro-face.com/otasuke/

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Chapter1 Windows XP Embedded

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1 ❚ Windows XP Embedded

1 Feature

The XPE is the component version of the Windows XP operating system and is the operating system which has the discriminative function about an embedded device such as the Write Filter.

The XPE made by Pro-face has the following features.

IMPORTANT
- The CF card must be connected to the primary master (Disk 0).
- Back up the data after installing the required application programs. Data cannot be recovered without backup data.

)☞ "9 Backup/Recovery of the CF Card" (Page 1-26)

NOTE
- The newest manual, Driver and Utility can be downloaded from the Digital Electronics Corporation's homepage.

http://www.pro-face.com/otasuke/

■ Write Filter Function(The function to protect the CF card from writing)

This function protects the CF card from writing.

Be sure the Write Filter is effective to decrease the number of times of writting to CF card. And if the Write Filter function is effective, the operation for shutdown is unnecessary.

)☞ "4 Write Filter" (Page 1-6)

■ Supporting Multi-language Function (Only for Multi-language XPE)

Multilanguage such as English, Spanish, French, German, Italian,Russian,Chinese, and Taiwanies is supported.

NOTE
- Japanese XPE does not have this function.
- For deleting unnecessary languages, refer to [7.4 Delete Language]

)☞ "7.4 Delete Language" (Page 1-20)

■ Supporting Combination Use with HDD Function

Combining with HDD can extend the data area and therefore a large-sized application can be used.

NOTE
- PS-3650A /PS-3651A and PS-3700A/PS-3701A Series do not have this function.

■ Backlight Screen Saver Function

It's the screen saver function that turns ON/OFF the backlight and can extend the backlight's lifetime.

NOTE • PS-2000B does not have this function.

■ Installed System Monitor

It enables Error Monitor of the system.

For details, refer to IPC Series Reference Manual.

■ Supporting Touch Panel Driver (UPDD)

The input operation like a mouse is possible with the touch operation.

NOTE • The UPDD is not installed in PS-2000B before shipment. Please install it if needed.

)"7.3 UPDD" (Page 1-19)

■ Installed KeyClick

It displays the keyboard on a screen and enables the key input from the touch panel.

)"7.2 KeyClick" (Page 1-17)

■ RAM Disk

Use the RAM Disk to solve the memory leak caused by the Write filter.

RAM Disk will enable to write the data directly into the memory area.

Therefore, the area of the RAM Disk can be used again and again whether the Write filter is enabled or not.

)"6 RAM Disk" (Page 1-13)

IMPORTANT • When installing applications, be aware of CF card's available area as shown below.

<Before shipment>
Japanese Version   About 430MB
Multilanguage Version About 150MB
*When using the Multilanguage Version, if the available area is insufficient, delete unnecessary languages.

)"7.4 Delete Language" (Page 1-20)

2   List of primary application programs

The main installed applications before shipment are shown in the table below.

applications	Details
Internet Explorer 6	Web Browser (Microsoft. Corp.)
Japanese IME[*1]	Conversion software for Japanese input.
.NET FrameWork	Execution Environment compatible with Microsoft .NET.
Control Panel	Customize a computer. Add new hardwares, add / remove programs, chang the screen display and start various operations.
Accessary	Microsoft's Notepad, Paint, On-Screen Keyboard, Command Prompt, and Hyper Terminal are installed.
Backlight Brightness[*2]	Adjusts brightness of a screen.
Keyclick	Displays the keyboard on a screen and operates the key input.Supports Japanese and English only.
UPDD[*3]	Mouse emulation software.
EWF Setting Tool[*4]	Sets the Write Filter function.
System Monitor	Monitors errors of the system.

*1   Multi-language XPE does not have this function.

*2   PS-2000B doesn't have this function.

*3   UPDD is not installed in PS-2000B before shipment.

*4   Changing the setting requires the administrator's authority.

NOTE

• Often questions and helpful informations are uploaded as Q&A to Digital Electronics Corporation's homepage. Please refer them to the purpose of usage.

http://www.pro-face.com/otasuke/

3   Function List of Control Panel in the XPE

The function and the setting of the Control Panel in the XPE are as below.

Icons	Details	complement (useful range etc.)
BackLight Brightness[*1]	Change Backlight Brightness settings. ☞ "7.1 Backlight Brightness" (Page 1-16)	The backlight can be set to any of 4 levels of brightness. The initial setting is the maximum.
Internet Option	Configure your Internet display and connection settings.	In the factory setting, cache size is set to 1MB and the history preservation day is set to zero and the cache file storage folder is changed to Z:\(RAM Disk).
Folder option	Customize the display of files and folders, change file associations, and make network files available offline.	In the factory setting, the use of off-line of Network File is set for invalidity.
Printer and FAX	Shows installed printers and fax printers and helps you add new ones.	FAX is not compatible.
Add/Remove programs	Install or remove programs and Windows components.	Add / Remove Windows component and Windows Update cannot be used.
Internet Information Service	Manages Internet Infomation Service, the web server for Internet and intranet web sites.	The factory setting is to disable the Internet Infomation Service.

*1   PS-2000B does not have this function.

NOTE

• Before each unit settings, disable the Write Filter setting. When the Write Filter is effective, the change is not reflected.

☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

4　Write Filter

XPE has the Write Filter (The function to avoid writing into HDD or Flash Memory). When the Write Filter is effective, it prevents writing into CF card.

IMPORTANT
- When data is written in the devices (except CF card) that are not protected by the Write Filter, turning off the power may cause damage of the data.

☞ "8 Notes on turning off the power" (Page 1-25)

- To make each setting, add a driver, or change Registry, be sure to disable the Write Filter setting. If the Write Filter setting is enabled, the setting information to OS and so on will be all canceled when OS re-starts. When changing the setting, be sure to disable the Write Filter setting.
- It's not applied to the CF card for writing data, which is used for PCMCIA.

4.1 Write Filter Settings Procedure

When setting the Write Filter, use "EFWSettingTool. exe". This tool has the following function.

- The Write Filter invalid (EWF Disable).
- The Write Filter effective(EWF Enable).
- Change of security ID.

IMPORTANT   • You have to log on as administrator in order to set the Write Filter.

NOTE   • Be sure the Write Filter is invalid to change the security ID.
- Only when you copy the CF card for starting and install the application program in more than one unit, Changing of security ID becomes effective.
- For the information of the security ID, refer to the "4 Security ID".

)☞ "5 Copying the CF card" (Page 1-11)

(1) Select [Designate file name and run] from the [Start] menu and start the following executable file.

C:\Proface\EWFSettingTool\EWFSettingTool.exe

(2) Confirm current setting on the display screen.
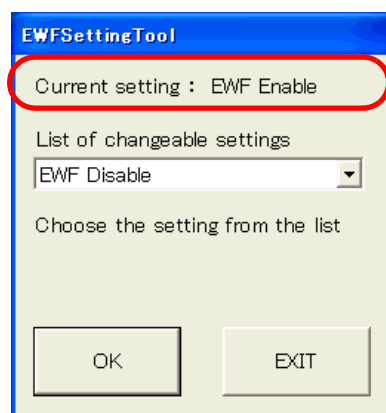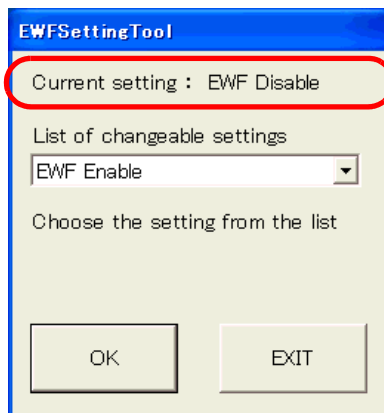
(3) Choose the setting from the list.

(4) Click [OK] and end.

* Restart and the contents of change becomes effective.

4.2 Access operation to the CF card of the Write filter

■ When the Write Filter is enabled

- Read: Direct access to CF card
- Write: Access to the memory

Application

Read　Write

Write Filter
Enable

Write

Memory

Read

Read

Read

CF card

NOTE

- When the added or changed data is on the memory, the data on the memory precedes.

- The memory leak will be caused, when accessing to the Write Filter enabled CF card.
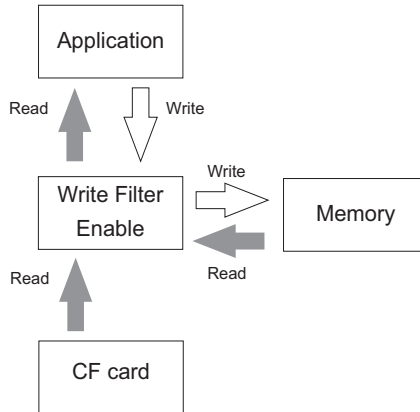 To solve the memory leak caused by the Write filter, refer to the following below.

☞ "6 RAM Disk" (Page 1-13)

■ When the Write Filter is disabled

- Read: Direct access to CF card
- Write: Direct access to CF card

Application

Read　Write

Write Filter
Disable

Memory

Read　Write
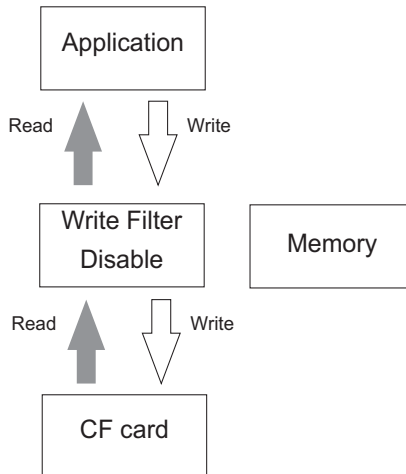
CF card

NOTE

- Turning OFF the power at the time of writing into CF card leads to data damage. When using this unit, use it with the Write Filter effective. Prevention of writing into the CF card is expected to prevent being damaged or prevent the CF card life cycle (Reference: $0°C$ - $70°C$, Writing/Delete Times: 300,000 times per block) from declining as well.

■ Write Filter-related important notes

- If the Write Filter is effective, when writing to the CF card, data is written on the memory. However, even if the written information is deleted in the CF card, the information on the memory cannot be deleted. To delete the information on the memory, it's necessary to restart the system.

- Even if the CF card has a avaiable area, when the memory has no avaiable area, writing data causes the disk's insufficient available area error. And when the memory has a avaiable area and the CF card has no avaiable area, the Writing Error occurs and data cannot be written. When writing data, be sure to check avaiable areas of the CF card and the memory.

   Ex.) With the Write Filter effective, when writing 10-MB data,

<Conditions to write 10-MB data>
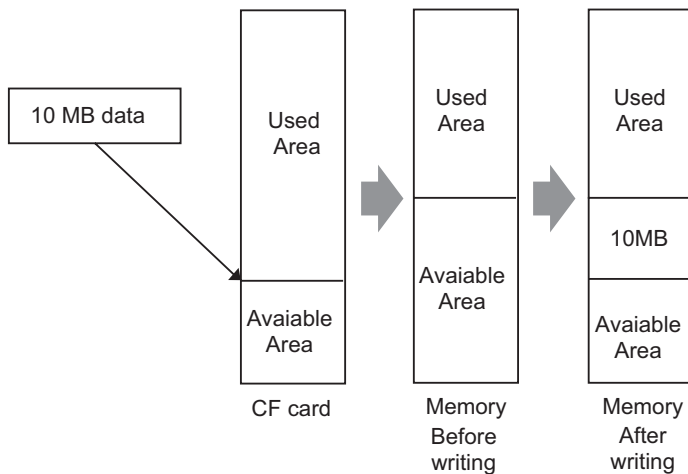
- The appearing avaiable area in the CF card is 10 MB or more
- The memory's available area: 10MB + memory's available area necessary for OS to operate properly.

<State after 10-MB data is written>

- The appearing avaiable area in the CF card decreases by 10 MB.
- The avaiable area in the memory decreases by 10 MB.

<State after 10-MB data is deleted>

- The appearing avaiable area in the CF card returns to the state before 10-MB data is written.
- The avaiable area in the memory does not change from the state when data is written.

• Writing a lot of data into the Write Filter area decreases the available memory. Therefore, during work, it's necessary to refrain from writing into the CF card as much as possible.

In order to solve this problem, RAM Disk is installed in XPE made by Pro-face.

In the RAM Disk, the area for the specified size can be used as a volatile disk area. Therefore, that area can be used again and again when writing directly into the memory area whether the Write Filter is effective or not. If the RAM Disk becomes a data storage place like Internet Explorer's Cache, it's possible to get the system to operate without changing the available memory volume for a long time. And logging data etc such as users' applications is one of the data that can use the RAM Disk effectively. For details and settings of the RAM Disk, refer to [5 RAM Disk].

☞ "6 RAM Disk" (Page 1-13)

5   Copying the CF card

When copying the same setting environment of the CF card to multiple panel computers , use the following procedure to copy the CF card.

NOTE • By not copying the CF card through the following procedure, a CF card with the same security ID will be created. A security ID is a unique ID assigned to each panel computer. Computers that have the same security ID will be recognized as the same computer on the Microsoft Network.

5.1   Copying the CF card procedure

(1)   Disable the Write Filter.
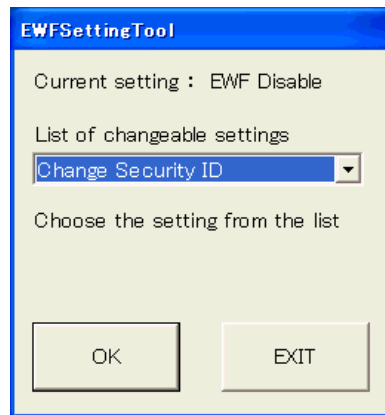
When the Write Filter is enable, the security ID cannot be changed.

☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

(2)   Start "EWFSettingTool. exe" and select "Change Security ID" and click [ok]. (Executable file is "C:\Proface\EWFSettingTool\EWFSettingTool.exe".)

IMPORTANT • Changing the setting requires the administrator's authority.

(3)   The following dialog box will appear.
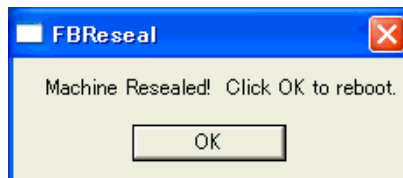
(4)   Click [OK] and the unit is rebooted automatically.

(5)   BIOS is displayed. While BIOS is displayed, press [F2]key or [Delete]key.

Turn off the power supply after BIOS setup screen is displayed and copy the CF card.

(6)   Reboot by using the CF card which you have copied. The security ID will be changed during the first

reboot.

IMPORTANT   • It may take a long time to boot but since changing the security ID, do not turn off the

power supply.

(7)   After the security ID is changed, the XPE is restarted automatically.

NOTE   • After restart, Write Filter becomes enable and it is not necessary to set it again.

• When you change the security ID, the MACHINE_NAME would be changed and therefore the

Event Error occurs.

There are no affects for this error.

6   RAM Disk

Use the RAM Disk to solve the memory leak caused by the Write filter.

RAM Disk will enable to write the data directly into the memory area.

Therefore, the area of the RAM Disk can be used again and again whether the Write filter is enabled or not.

Refer to the following below for the memory leak caused by the Write filter.

☞ "4.2 Access operation to the CF card of the Write filter" (Page 1-8)

If the RAM Disk is used as a data storage area such as for Internet Explorer's cache, it is possible to get the system to operate without changing the available memory volume for a long time.

Logging data such as users' applications is one of the data types that can use the RAM Disk effectively.

<In the factory settings>

Drive Letter: Z

Size: 4MB

> NOTE
> • Do not change the Drive Letter setting.
> • Even using the RAM Disk, the memory leek will not be solved completely.

6.1   RAM Disk Settings Procedure

> NOTE
> • Before setting the RAM Disk, disable the Write Filter setting. When the Write Filter is effective, the change is not reflected.
>
> ☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

(1)   Start the system in the control panel.
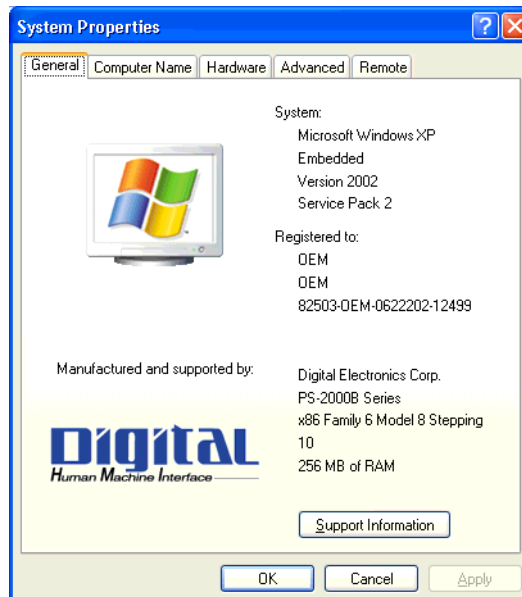
(2)   Select the [Hardware] tab and then [Device Manager].
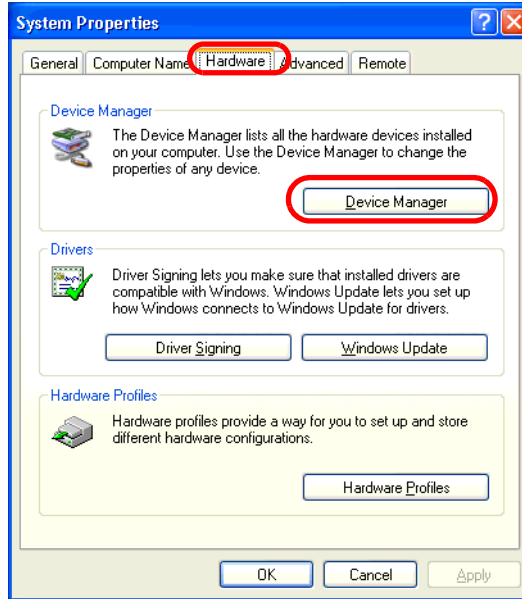
(3)   The following dialog box will appear. Click the " +" mark on the left from the [RAM Disk] and double-click [Ram disk[QSoft]].
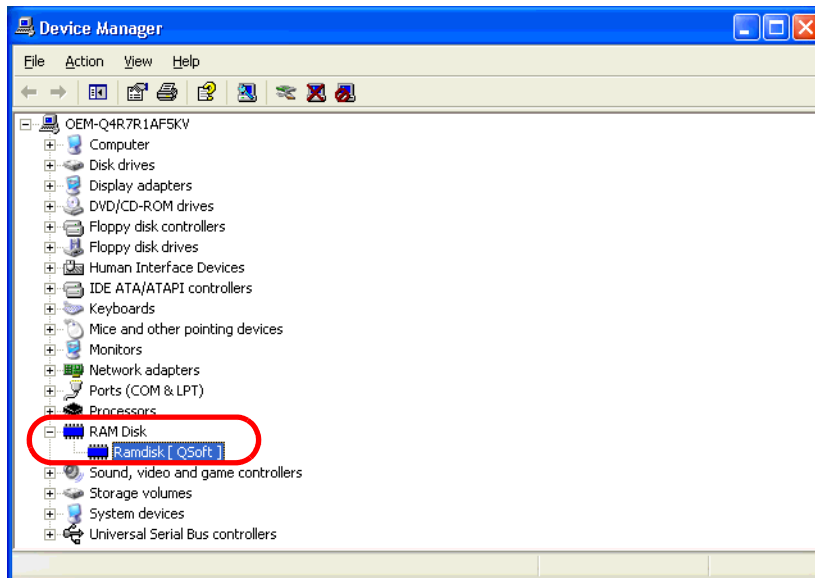
(4)   The following dialog box will appear. Select the [Ram Disk Properties] tab.

(5)   Set a RAM Disk area in [Disk Size].
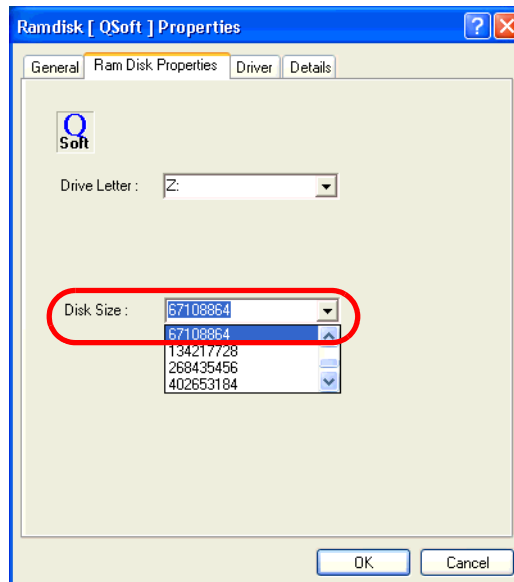
IMPORTANT   • The maximum value of the RAM Disk area is 67108864. When the value over the max-
imum value is set, an error occurs.

NOTE   • Do not change the Drive Letter setting.

(6)   Restart the unit.

7 Unit Settings

7.1 Backlight Brightness

This tool adjusts the Backlight settings. The backlight can be set to any of 4 levels of brightness.

■ Backlight Settings - Adjustment Procedure

NOTE

• Before setting the Backlight Brightness, disable the Write Filter setting. When the Write Filter is effective, the change is not reflected.

☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

(1) Double click the Control Panel's [Backlight Brightness] icon on the Control Panel.
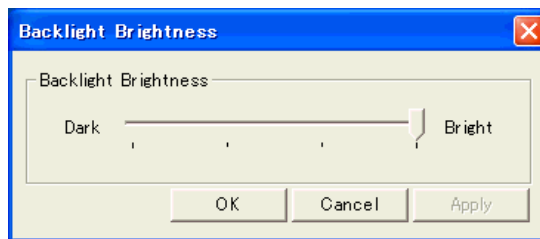
(2) Select the required level of brightness. (4 levels)

(3) Click [OK] and end.

NOTE

• PS-2000B does not have this function.

7.2 KeyClick

This is a software keyboard (KeyClick32) of IN-fINITY soft make. Please surely read the License agreement

on the appendix before using it.

☞ "1 [IN-fINITY soft KeyClick32] Agreement" (Page A-2)

When changing font size, set the setting referring the following diagram.

NOTE
• Only Japanese and English are supported.

When operating the key input from the touch panel in the language except the above mentioned,

use Microsoft's Screen Keyboard.

• It cannot be used for password input when starting this unit.

• It cannot be used for command prompt.

■ KeyClick Settings Procedure

NOTE
• Before setting the KeyClick, disable the Write Filter setting. When the Write Filter is effective,

the change is not reflected.

☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

(1) Start as the next. [Start]-->[All program]-->[KeyClick]

(Executable file is C:\Proface\KeyClick\KeyClick.exe)

(2) When changing font size, set the setting referring the following diagram.

IMPORTANT
• You have to log on as Power User in order to set the KeyClick.

(1) Click here and display dialog for changing font size.

(2) Click PW and end KeyClick. Restart KeyClick and
the contents of change becomes effective.

Screen for changing font size.
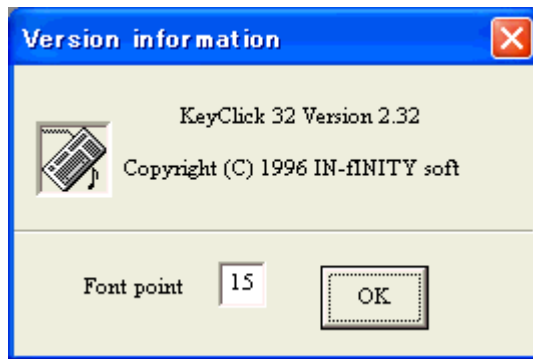
7.3 UPDD

UPDD is the touch panel driver for the mouse emulation (DMC Co. Ltd. make). Before using, be sure to read the license arrangement on the appendix.

☞ "2 [DMC Corporation Mouse Emulation Software] SLA" (Page A-3)

UPDD is not installed in PS-2000B before shipment. Please install it following the procedure below if needed.

■ UPDD Installation procedure

NOTE
- Before installing the UPDD, disable the Write Filter setting. When the Write Filter is effective, the installation is not reflected.

  ☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

(1) Start setup.exe from the folder UPDD in XPE's CD-ROM. Following the Installer's instructions, install the UPDD.

(Executable file is \UPDD\setup.exe in the CD-ROM of the XPE.)

■ Correction procedure for touch point

(1) Start as the next. [Start]-->[All program]-->[UPDD] and [Calibration].

(Executable file is C:\Program Files\UPDD\TBCALIB.exe)

(2) Touch the arrow on the screen. Pressing [OK] on the [Confirmation after calibration] dialog box completes the correction.

7.4   Delete Language

When using the Multilanguage version, deleting unnecessary languages can increase the avaiable area of the CF card. The Japanese version doesn't have this function.

IMPORTANT   • The language that has been deleted once cannot be undone. It's recommended to back it up in advance using the Recovery Tool.

Deleting unnecessary languages procudure is as follows.

■ Delete Language Settings Procedure

NOTE   • Before deleting the language, disable the Write Filter setting. When the Write Filter is effective, the change is not reflected.

☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

(1)   Open [Start]->[Run] and enter the pass as follows: C:\Proface\DeleteLanguage\DelLang.exe. After start-ing it, the following dialog box will appear.

Delete Language		
Select Delete Languages		
Language	Code	Size
☐ Chinese,Taiwan	0404, 0804	64 MB
☐ German	0407	9576 kB
☐ French	040c	7937 kB
☐ Italian	0410	4353 kB
☐ Russian	0419	8857 kB
☐ Spanish	0c0a	7885 kB

Current Capacity   186 MB
Expected Capacity   186 MB

[Delete]   [Cancel]
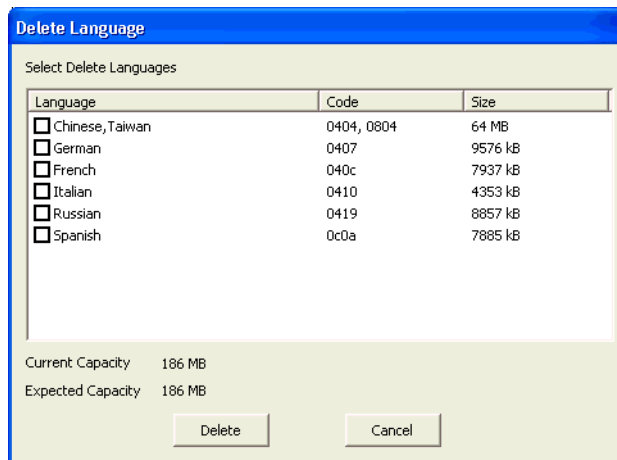
(2)　Check the language to delete. (Current Capacity shows the current available capacity. Expected Capacity

shows the available area after delete.)
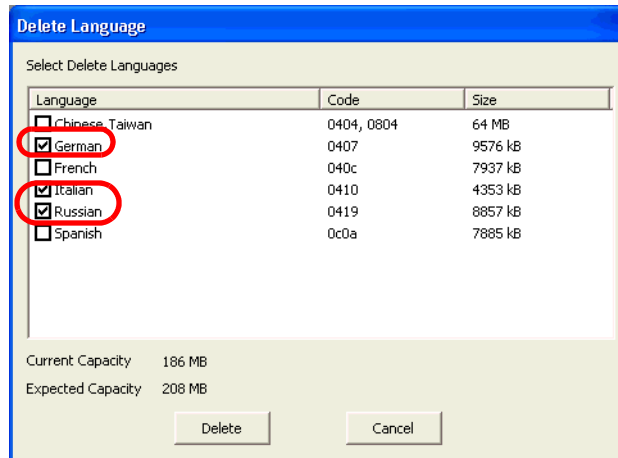
(3)　After checking the available capacity after delete, select the [Delete] button.

(4)　The following dialog box will appear.Click [OK].

(5)　Restart the unit.

7.5   Windows Media Player

It's necessary to download the Windows Media Player.

NOTE

- The following URL may be changed. For details, please check Sun Microsystems's site.
- Before installing Windows Media Player, disable the Write Filter setting. When the Write Filter is effective, the installation is not reflected.

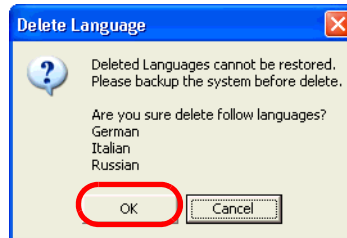☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

■ For Japanese Version

Download the Japanese version and install referring to the following URL.

http://www.microsoft.com/downloads/details.aspx?displaylang=ja&FamilyID=B446AE53-3759-40CF-

80D5-CDE4BBE07999

■ For ML Version

Download the English version and install referring to the following URL.

http://www.microsoft.com/downloads/details.aspx?familyid=B446AE53-3759-40CF-80D5-

CDE4BBE07999&displaylang=en

In the case of use with language except English, download each language's MUI pack and install referring to the following URL.

http://www.microsoft.com/downloads/details.aspx?FamilyID=02106bdb-b012-4327-96cb-

73937ae00667&DisplayLang=en

7.6 Java Runtime

For Java Runtime, the required Java VM's version differs depending on a user application. Therefore Java Runtime is not installed before shipment. When using Java Runtime with Web terminal so on, be careful with the following things and install following the procedure.

| NOTE | • The following URL may be changed. For details, please check Sun Microsystems's site. |

  • Before installing Java Runtime, disable the Write Filter setting. When the Write Filter is effective, the installation is not reflected.

■ Download procedure

URL:http://java.sun.com/j2se/

From the J2SE 1.4.2 in the Popular Downloads in the URL above, select Download J2SE JRE and download JRE.

Use the Java Runtime with the version corresponding to the used application.

The version which finished a checking of operations is "1.4.2.10".

■ Installation procedure

In order to decrease the capacity of the module to be installed, install on custom mode.

When the language support is unnecessary, install only "Java 2 Runtime Environment".

7.7   Flash Player and Shokwave Player (Macromedia Co.)

These application programs are not installed before shipment. when using them as Web terminal so on, make its environment of the Internet use available and install following the procedure. Please download the latest version for use.

> **NOTE**
> - The following URL may be changed. For details, please check Sun Microsystems's site.
> - Before installing Flash Player and Shockwave Player, disable the Write Filter setting. When the Write Filter is effective, the installation is not reflected.
>
> ☞ "4.1 Write Filter Settings Procedure" (Page 1-7)

■ Download procedure

Install refering the next URL and following the procedure for installation.

- Flash Player

http://www.macromedia.com/shockwave/download/download.cgi?P1_Prod_Version=ShockwaveFlash

- Shockwave Player

http://sdc.shockwave.com/shockwave/download/download.cgi?

■ Checking of operations

The version which finished checking of operations is the next.

- Flash Player 8.0.22.0
- Shockwave Player 10.1.0.11

8   Notes on turning off the power

In the factory settings, the Write Filter function is set as disable. When data is written in the devices (except CF card) that are not protected by the Write Filter, turning off the power may cause damage of the data.

■ When Write Filter is enabled

It is not necessary to perform the shutdown procedure. Confirm that no data is being written into another device, follow the steps of Safely Remove Hardware, and then turn off the power. However, the OS setting changed and the data written to the CF card during the time will be canceled and lost when the power is turned off.

<How to confirm that no data is being written into another device>

Hard Disk : Confirm that the LED of the IPC Series is turned off.

USB Device/PCMCIA : Confirm that no data is written on user's applications.

■ When Write Filter is disabled

It is necessary to perform the shutdown procedure. Because the write protection is not enabled, the OS setting changed and the data written to the CF card will be enabled.

9 Backup/Recovery of the CF Card

There's the Backup/Recovery Tool for recovery of XPE.

The Backup/Recovery Tool is open in the Pro-face web site only. (URL http://www.pro-face.com/)

For downloading the Backup/Recovery Tool and how to use it, refer to the web site shown above.

The Recovery Tool can be used only when the following conditions are satisfied.

• Only the CF Card made by Pro-face is used.

• Only the XPE CF card made by Pro-face is saved.

10 Restrictions

• Help document is not installed.

• Memory used when starting Window XP Embedded is approximately 160 MB in the Japanese version and approximately 130 MB in the Multilanguage version.

• When the memory has 128MB, the XPE cannot be used. Use it with the memory that has 256MB or more.

• The virtual memory function cannot be used. The OS may stop depending on the memory allocation of application software used.

• The function to save Cache in Internet Explorer and Internet Information Service is set as shown below before shipment.

    • Cache File: Minimum Value

    • Internet Information Service: disable

    • Since the cache files are saved on RAM DISK, those files are deleted when you turn off the XPE.

NOTE

• The fanction of Windows Update is the online support to update Windows automatically and make the system the newest condition. But XPE does not correspond to Microsoft's Windows Update Service. When executing Windows Update on the Internet, a certain update module will fail. Consequentially do not execute installation on the Internet.

• The large-size application software such as iFIX of SCADA software so on cannot be installed.

2 | Troubleshooting

1   Problems and countermeasures

| MEMO | • The newest manual, Driver and Utility can be downloaded from the Digital Electronics Corporation's homepage. |

   Also often questions and helpful informations are uploaded as Q&A to Digital Electronics Corporation's homepage.

   Please refer them to the purpose of usage. http://www.pro-face.com/otasuke/

Problems	Countermeasures and troubleshooting
The installed software does not work after rebooting the computer.	Has the Write Filter, which disables data saving to the CF card, been enabled?
Rebooting the computer cancels the new setting.	☞ "4.1 Write Filter Settings Procedure" (Page 1-7)
Changing the Write Filter setting	☞ "4.1 Write Filter Settings Procedure" (Page 1-7)
EWFSettingTool (Write Filter's setting screen) does not work properly.	Check if the CF card is set to the primary master (Disk 0) in the BIOS setting. ☞ Refer to the system setting description in the instruction manual of your panel computer.
Packet INternet Grouper (PING) is blocked when accessing the network.	Has the firewall been enabled? Change the setting according to the following procedure: 1. Click the [Start] button to open [Control Panel]. 2. Double-click [Network and Internet Connections] to open [Network Connections]. 3. Double-click [Local Area Connection] and click [Properties] to open [Local Area Connection Properties]. 4. On the [Advance] tab, select [Windows Firewall] and open [Settings]. 5. On the [Advanced] tab, select [ICMP] and open [Settings]. 6. Check [Allow incoming echo request].
Recovering the data	Download the Recovery Tool from the Pro-face's support site "Otasuke Pro!" and recover the data. It is necessary to backup the CF card using the Recovery Tool before recovering the data. ☞ "9 Backup/Recovery of the CF Card" (Page 1-26)
Backing up the CF card	☞ "9 Backup/Recovery of the CF Card" (Page 1-26)
The touch point is displaced.	Has the touch point been corrected? ☞ "7.3 UPDD" (Page 1-19)
My user name and password can not be remembered when accessing to the web server by Internet Explorer.	[Remember my password] of the web server's login dialog box will not function with the user account which has changed the Security ID. In the following cases, create a new user account and log in again. • When the Security ID has not changed since your purchase • When the Security ID has changed after creating an user account

Problems	Countermeasures and troubleshooting
When installing the software to XPE, a dialog box name, [Files Needed] appears	Type the path of the file name in [Copy files from:] that is requested by the [Files Needed] dialog box. Requested the DLL file(***.DLL) : C:\WINDOWS\System32 Requested the SYS file(***.SYS): C:\WINDOWS\System32\drivers When the files do not exist in the path above, please contact your local distributor.

A Appendices

1   [IN-fINITY soft KeyClick32] Agreement

[IN-fINITY soft KeyClick32] Agreement

Digital Electronics Corporation shall be in no case liable for any loss or damages to you or any third party whatsoever arising from any faulty performance of IN-fINITY soft, nor shall be responsible to correct such error of the software program in question.

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[DMC Corporation Mouse Emulation Software(TSC-1310D/DD)] Software License Agreement

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The licensee shall recognize that the product shall possess the confidential information or property information including the intangible property right protected by the Copyright Act and shall not take the following actions:

(1) Use and copying of the product against the terms of the license and disassembling, reverse engineering, and modifying the product.

(2) Deletion and/or change of display of the intangible property right including the copyright displayedon the medium containing the product.

7.Restrictions on Export

When the product is subjected to the regulation of the Foreign Exchange and Foreign Trade Control Act and the laws and regulations accompanying it and the Export, the licensee shall observe the corresponding laws and regulations and rules.

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