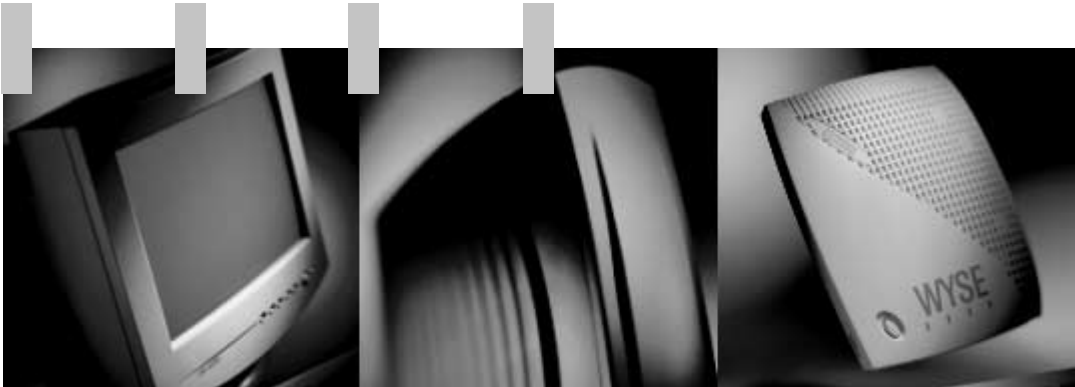


Winterm™ Windows®-based Terminal

Series 3000 to Series 8000 Upgrade Installation Guide



WYSE
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Winterm 3000 Series Windows®-based Terminal Floppy Add-on Installation Guide

Version 1.0

883597-02 Rev. A
July 2000

Wyse Technology Inc.
3471 North First Street
San Jose, CA 95134-1803

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Caution

Changes or modifications not covered in this manual must be approved in writing by the manufacturer's Regulatory Engineering department. Changes or modifications made without written approval may void the user's authority to operate the equipment.

Canadian DOC Notices

Refer to the previous section, "Terminal Requirements Compliance," to find out what model terminal each of the statements below refers to.

Class A

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

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IEC/EN Notice

This product conforms to the requirements of IEC950 and EN60950.

This product conforms to requirements of EN55022 for Class A equipment or EN55022 for Class B equipment (refer to “Terminal Requirements Compliance”).

Cable Notice

The use of shielded I/O cables is required when connecting this equipment to any and all optional peripheral or host devices. Failure to do so may cause interference and violate FCC and international regulations for electromagnetic interference.



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1 Getting Started

This document describes how to install your WT3360 to WT8360 upgrade. Upgrade kits may be used either to convert CE based units (WT3360) or NTE based units (WT8360) to a configuration with a maximum of 192Mb RAM and 96Mb Flash.

Before You Begin

What's In The Kit

- CD-ROM
- RAM DIMM module
- Compact FLASH module
- NTE License Certificate (CE to NTE conversion only)

Figure 1-1 Upgrade Kit Contents



Required Tools and Materials

You need the following items before you can install.

- #1 Phillips screwdriver
- CD-ROM with the firmware image, utilities, and documentation
- 3X5 index card



Warning

The RAM DIMM and logic board assembly are susceptible to damage by electro-static discharge. Take all reasonable precautions to avoid ESD.

Associated Documentation

- Winterm 3000 Series Windows-based Terminal Administrators Guide (Part No. 883628-02). The Administrators Guide is available on the Wyse Service and Support Website at:

<http://www.wyse.com/service/support/winterm/>

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Installing The Upgrade

This chapter will describe the procedures for installing the upgrade hardware and downloading the firmware.

Before You Install

Be sure to place the Manufacturing CE image and the configuration information file in a directory by itself on the FTP server you intend to upgrade from. The names of the files are: *D369_2WTe0.bin* and *params.ini*.

Install The Add-on Software Upgrade

1. Perform a proper shutdown of the terminal by ending your session and then clicking the buttons in the dialog boxes as they appear.
2. Download the Manufacturing CE code to the terminal. This may be done in one of three ways:
 - Xfer utility (See Chapter 30 in the Administrators Guide).
 - FTP download (See Chapter 31 in the Administrators Guide).



Note

The FTP Download is used only for upgrading systems with CE to NTE.

- Flash Card.
3. Shut down the terminal.
 4. Unplug the power supply and remove all of the cables from the rear of the unit.

5. Remove the logic board using the following steps:
 - a. Remove the screws as shown in Figure 2-1.

Figure 2-1 Logic Card Screws



Figure 2-2 Index Card Insertion

- b. Insert a 3X5 index card or similar as shown in Figure 2-2.
- c. Pull the logic card out being careful not to scrape the copper fingers on the case against the bottom of the logic card. Extract the card by pulling firmly on the plastic T-handle as shown in Figure 2-3.

Figure 2-3 Extracting The Logic Card

6. Insert the DIMM (or replace the old DIMM with the one from the kit) as shown in Figure 2-4

**Note**

Check carefully to ensure the DIMM is aligned properly and completely seated in the socket. The metal tabs should fit securely in the slots on the side of the DIMM.

Figure 2-4 DIMM Insertion

7. Insert the Compact Flash module (or replace the old Compact Flash with the one from the kit).

Figure 2-5 Compact Flash Insertion

8. Replace the logic card, again being careful not to scrape the copper fingers against the bottom of the card.
9. Re-install the screws.
10. Reconnect all the cables.
11. Restart the terminal
12. Similar to Step 2, download the Standard NTE software image found on the CD, or a custom NTE image provided by your software developer.

**Caution**

The NTE software images are dependant on the Flash configuration of your unit.

Example: If you are upgrading from a CE unit with the image you need must support an 8 X 32 X32 Flash footprint.

If you are upgrading an NTE unit the standard image must support 32 X 32 X 32. See Chapter 3 for an explanation of how the Flash footprint is defined.

3

Flash Footprints

This chapter explains the different Flash Memory configurations available.

Flash Footprint Identifier

The footprint is designated by a three segment identifier. Each segment identifies the size, in Megabytes, of the memory chip. The designation is A X B X C.

The A segment is the on-board (soldered) flash memory component that was installed at the factory during the manufacturing process. The B and C segments refer to the chips in the flash module you will be installing with the procedure in the previous chapters.

EXAMPLE:

An identifier of 8 X 32 X 32 means that there is 8Mb of flash soldered on the logic board and a 64Mb Flash Card consisting of two 32Mb chips.



Warning

NTE images are Flash footprint specific!

Installation of an incorrect image may result in either error messages or a total system lock-up when attempting to install or on re-boot of NTE.

Winterm Windows[®]-based Upgrade Installation Guide

Written and published by:
Wyse Technology Technical Publications, Wyse Technology Inc., July 2000

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