

TravelMate 4070/4080 Series

Service Guide

Service guide files and updates are available on the ACER/CSD web; for more information, please refer to <http://csd.acer.com.tw>

PRINTED IN TAIWAN

Revision History

Please refer to the table below for the updates made on TravelMate 4070/4080 service guide.

Date	Chapter	Updates

Copyright

Copyright © 2006 by Acer Incorporated. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of Acer Incorporated.

Disclaimer

The information in this guide is subject to change without notice.

Acer Incorporated makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties of merchantability or fitness for any particular purpose. Any Acer Incorporated software described in this manual is sold or licensed "as is". Should the programs prove defective following their purchase, the buyer (and not Acer Incorporated, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software.

Acer is a registered trademark of Acer Corporation.

Intel is a registered trademark of Intel Corporation.

Pentium and Pentium II/III are trademarks of Intel Corporation.

Other brand and product names are trademarks and/or registered trademarks of their respective holders.

Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

System Introduction

Features

This computer was designed with the user in mind. Here are just a few of its many features:

Platform

- Intel® Centrino® mobile technology, featuring:
 - Intel® Pentium® M 725A/735A/740/750/760/770/780 processor (2MB L2 cache, 1.60/1.70/1.73/1.86/2.0/2.13/2.26 GHz, 400/533 MHz FSB)
 - Intel® 915GM/915PM Express chipsets
 - Intel® PRO/Wireless 2200BG network connection (dual-mode 802.11b/g) Wi-Fi CERTIFIED™ solution, supporting Acer SignalUp™ wireless technology
- Intel® Celeron M processor 370/380/390 (1 MB L2 cache, 1.50/1.60/1.70 GHz, 400 MHz FSB)

Memory

- 256 MB/512 MB of DDRII 533 memory, upgradeable to 2 GB using two soDIMM modules

Data storage

- 40/60/80/100/120 GB ATA/100 hard disk
- DVD-Dual double-layer drive
- DVD/CD-RW combo drive
- DVD Super Multi double-layer

Display and graphics

- Color Thin-Film Transistor (TFT) LCD displaying at
 - 15" XGA (1024 X 768)
 - 15.4" WXGA (1280 X 800) supporting simultaneous multi-window viewing on dual displays via Acer GridVista™
- Intel® 915GM integrated 3D graphics, featuring Intel® Graphics Media Accelerator 950 and up to 128 MB of shared memory, supporting Microsoft® DirectX® 9.0 and dual independent display
- Intel® 915PM with ATI Mobility™ Radeon® X1300 HyperMemory™ 256/512MB, supporting ATI PowerPlay™ 5.0 Microsoft® DirectX® 9.0, DualView™
- MPEG-2/DVD hardware-assisted capability
- Simultaneous LCD and CRT display with LCD panel resolution at 70 Hz

Communication

- Modem: 56K ITU V.92 modem with PTT approval; Wake-on-Ring ready
- LAN: PCI/PCI Express® gigabit Ethernet; Wake-on-LAN ready
- Wireless LAN: integrated miniPCI Acer InviLink™ 802.11b/g Wi-Fi CERTIFIED™ solution; supporting Acer SignalUP™ wireless technology
- Wireless PAN: integrated Bluetooth®

Audio

- Audio system with two built-in speakers
- Intel® High-Definition audio support
- Sound Blaster Pro™ and MS-Sound compatible
- S/PDIF2 (Sony/Philips Digital Interface) support for digital speakers
- Built-in microphone

Input devices

- 88-/89-key Acer FineTouch™ keyboard
- Touchpad with 4-way integrated scroll button
- Four easy-launch buttons
- Two front-panel buttons: wireless LED-button and Bluetooth® LED-button

I/O interface

- Three USB 2.0 ports
- PC Card slot (one Type II)
- External display (VGA) port
- Microphone-in jack
- Headphone/speaker/line-out jack
- Ethernet (RJ-45) port
- Modem (RJ-11) port
- DC-in jack for AC adaptor

Environment

- Temperature:
 - Operating: 5° C to 35° C; Non-operating: -20° C to 65° C
- Humidity (non-condensation):
 - Operating: 20% to 80%; Non-operating: 20% to 80%