

## Desktop Repair Guide

Written by best-selling PC repair author and educator Jean Andrews, the seventh edition of *A+ Guide to Managing and Maintaining Your PC, International Edition* maps fully to CompTIA's 2009 A+ Exam objectives. This full-color guide is the most complete, step-by-step book available for learning the fundamentals of supporting and troubleshooting computer hardware and software. At the same time, it prepares readers to successfully pass the A+ 220-701 and 220-702 exams. The new edition is formatted to support any teaching style and course format, featuring an essentials-to-practical reorganization within each chapter and inclusion of new tabs distinguishing exam content. Further content and live demonstrations with Jean Andrews are available on the accompanying CD, making this new edition a total solution for PC repair.

A guide to fixing a personal computer covers such topics as troubleshooting, purchasing the right parts, fixing startup problems, performing basic hardware repairs and upgrades, installing a new hard disk, and adding memory.

A comprehensive reference guide for personal computer maintenance and repair.

This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, *A+ Guide to Software, Ninth Edition* closely integrates the CompTIA A+ Exam objectives to prepare students for the 220-902 certification exam. The new Ninth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair and information technology. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage students to learn by doing. The new edition features more coverage of security, virtualization, new coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices. Supported by a wide range of supplemental resources to enhance learning with Lab Manuals, CourseNotes, online labs and the optional MindTap that includes labs, certification test prep and interactive exercises and activities, this proven text offers students an ideal way to prepare for success as a professional IT support technician. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**The Complete A+ Guide to PC Repair**

**An Introduction to Troubleshooting and Repairing Laptop**

## Computers

### Computer Service and Repair

### PC Technician's Troubleshooting Pocket Reference

### PC Upgrade and Repair Bible

**An introduction and overview of PC upgrade and repair covers memory, storage, acceleration, printing, multimedia, and troubleshooting.**

**"Troubleshooting PC hardware problems from boot failure to poor performance."--P. [4] of cover.**

**Offers extensive guidance for troubleshooting and repairing a wide variety of electronic devices on diverse platforms, including PCs, smartphones, tablets, networks, cameras, home theaters, and ereaders.**

**Explains how to maintain or enhance systems running the Linux operating system**

### PC Troubleshooting Pocket Guide

### Vintage Commodore 128 Personal Computer Handbook: 2019 Survival Edition

### A+ PC Maintenance and Troubleshooting Field Guide

### Enhanced PC Troubleshooting Pocket Guide for Managing and Maintaining Your PC

### Repairing and Upgrading Your PC

The Vintage Commodore 128 Personal Computer Handbook is written in easy to understand, non-technical language, to help answer your questions about the C-128. Aimed specifically at present day users, this book will teach you how to use and equip your vintage C-128, even if you don't have the original peripherals and software disks. Practical hands-on information is included, such as how to set up the computer, how to access and use the three operating systems, how to set up and use certain modern peripherals such as the SD2IEC, how to go online through Ethernet or by wireless or with a traditional modem. Also included are technical specifications, an introduction to BASIC 7.0, how to use CP/M, maintenance, troubleshooting, repair services, where to get modern day peripherals, where to look for sources of information on hardware, software, support, and communication with other Commodore computer users, among other topics of interest and need. This will be one of your main C-128 reference books, one that you will come back to again and again

Updated and revised with eighty percent new material, this book is 100 percent of what readers need to upgrade, fix, or troubleshoot PCs Sixty-five percent of U.S. households own a PC; this book caters to the do-it-yourselfers in these households, both novices and tech hobbyists alike, who are looking for an approachable reference A one-stop reference for topics such as video, CD, and DVD; multimedia; storage; communications (network and Internet); peripherals; and integrating with laptops and handhelds Concludes with a step-by-step tutorial on building an "extreme" machine that can handle the most demanding multimedia or gaming applications

Written by Marcia and Barry Press, authors of PC Toys (076454229X)

For 25 years, Upgrading and Repairing PCs has been the world's #1 guide to PC hardware: The single source for reliable information on troubleshooting and fixing problems, adding hardware, optimizing performance, and building new PCs. Now, better than ever, this 22nd edition offers beefed-up coverage of the newest hardware innovations and maintenance techniques, plus more than two hours of new DVD video. Scott Mueller delivers practical answers about PC processors,

mother-boards, buses, BIOSes, memory, SSD and HDD storage, video, audio, I/O, input devices, networks, Internet connectivity, power, and much more. You'll find the industry's best coverage of diagnostics, testing, and repair-plus cutting-edge discussions of improving performance via overclocking and other techniques. Mueller has taught thousands of professionals in person and millions more through his books and videos-nobody knows more about keeping PCs running perfectly. Whether you're a professional technician, a small business owner trying to save money, or a home PC enthusiast, this is the only PC hardware book you need! **NEW IN THIS EDITION** Detailed information about the Intel Turbo Boost and AMD Turbo Core built-in overclocking technology found in many new processors. Coverage of the new inexpensive "hybrid" hard drives, combining Solid State Drive (SSD) and magnetic storage technology in the same high-performance drive. Coverage of the latest USB 3.0 chipsets, drives, and other peripherals. Coverage of the latest 50Mbps and faster internet connection speeds and the hardware you need to fully take advantage of them. Coverage of the latest high-performance Solid State Drives (SSDs) and SSD technology. Technical details about the Unified Extensible Firmware Interface (UEFI) BIOS, which is required for motherboards to be able to boot from drives larger than 2TB. Detailed information about the new 4K physical sectoring advanced format used on the highest capacity hard drives. Technical details and information about the latest 32nm and 45nm multi-core processors from Intel and AMD. Detailed information about the Graphics Processing Unit (GPU) available as an optional built-in feature in some new processors. Coverage of the latest motherboard chipsets, including support for SATA 6Gbps. Coverage of the latest SDXC (Secure Digital Extended Capacity) 4.0 and later high capacity and high performance flash drives. Detailed information about the 6/8-pin PCI Express graphics power connectors required to support the latest high-end video cards. Information about the 80 PLUS standards for highly efficient power supplies, and how this combined with proper power-management settings can save a tremendous amount of energy (and money) each year. **ON THE DVD** Get 2 hours of up-to-the minute, studio-quality how-to videos-all playable on your DVD player or computer! In this edition, Scott Mueller offers true insider information about several of the key components in a PC, including motherboards, solid-state drives, and more. You will see a detailed tour of a modern high-performance motherboard, showing all the components from the processor socket and CPU voltage regulators to the audio and network chipsets, and more. You'll learn how all the devices on the board are interconnected, so you can more easily understand their importance. There is a detailed segment comparing solid-state drives (SSDs) to conventional hard disk drives (HDDs), explaining all the differences and similarities between them in an easy to understand fashion. Finally, there are several segments on building a state-of-the art system from scratch using a high-performance overclockable motherboard and processor combination. You'll see tips on how to best prepare the components, how to assemble the system properly, how to make the front panel connections much easier to deal with, and finally how to route the cables for maximum airflow and ease of future upgrades or repairs.

Learn how to troubleshoot Windows 10 the way the experts do, whatever device or form-factor you're using. Focus on the problems that most commonly plague PC users and fix each one with a step-by-step approach that helps you understand the cause, the solution, and the tools required. Discover the connections between the different hardware and software in your devices, and how their bonds with external hardware, networks, and the Internet are more dependent than you think, and learn how to build resilience into any computer system, network, or device running Windows 10. If you're fed up of those nagging day-to-day issues, want to avoid costly repairs, or just want to learn more about how PCs work, Windows 10 Troubleshooting is your ideal one-stop guide to the Windows 10 operating system. **What You Will Learn:** Understand your PC's ecosystem and how to connect the dots, so you can successfully track problems to their source Create resilient backups of your operating system, files, and documents, and enable quick and easy restore Learn your way around Windows' built-in administration tools, to quickly fix the

typical problems that come up Diagnose and repair a wide range of common problems with printers and other essential peripherals Solve complex startup problems that can prevent a PC from booting Make your PC safe and secure for the whole family, and for everybody in your workplace Understand the threat from malware and viruses and a range of approaches to dealing with them, depending on the situation Bomb-proof your PC with advanced security, group policy, and firewall policies Learn the top Tips and tricks for researching difficult problems, including third-party tools and useful web resources Work with the registry, file system, and Sysinternals to troubleshooting PCs in the workplace Who This Book Is For: Anyone using Windows 10 on a desktop, laptop, or hybrid device

A+ Guide to It Technical Support + PC Repair Toolkit/Esd Strap Combo + PC Troubleshooting Pocket Guide + Lab Manual

A Guide to Troubleshooting, Upgrading, and PC Support

Laptop Repair Complete Guide

PC Hardware: A Beginner's Guide

The PC and Gadget Help Desk

You're beyond the basics, so dive right into troubleshooting Windows 7 -- and really put your PC to work! This supremely organized reference describes hundreds of prevention tips, troubleshooting techniques, and recovery tools in one essential guide. It's all muscle and no fluff.

Discover how the experts keep their Windows 7-based systems running smoothly -- and challenge yourself to new levels of mastery. Take control of essential Windows 7 maintenance and security features, such as the Action Center and User Account Control Master quick fixes to the most common problems using expert tips and step-by-step repair guides Implement best practices to help prevent and combat viruses, malware, and identity theft Apply advanced troubleshooting techniques by understanding how Windows 7 works Diagnose hardware problems and work safely with your PC Develop a recovery plan to restore your system and data in the event of a disaster Know when to use power utilities for advanced performance, maintenance, and diagnostics Your book -- online! Get your fully searchable online edition -- with unlimited access on the Web.

Accompanying CD-ROM includes: Adobe Acrobat file ch20rev12-24.pdf which contains review questions for chapter 20.

A+ candidates need all-new materials to prepare them for their exams, which underwent a comprehensive update in 2006. This guide covers the A+ Essentials exam, as well as exams 220-602, 603, and 604. It includes exam alerts, practice questions (including two full practice exams), a Web-delivered test engine that provides real-time practice and feedback, the popular Cram Sheet, and much more.

Your one-stop guide to Understanding and repairing motherboards, processors, chipsets, BIOS, and system resources Updating and optimizing memory and aging systems Diagnosing common PC problems and performing routine maintenance Installing and configuring system upgrades Working safely with the electrical

components of a PC Troubleshooting peripherals, storage systems and devices, sight and sound systems, and more Here's everything you need to know to fix or maintain a PC--and nothing you don't If you're a PC technician, time is money. Bestselling author Ron Gilster trimmed every scrap of fat from this indispensable reference guide, packing it with clear, concise information that helps you do your job. Organized by hardware or component groups--motherboards, storage devices, printers, communications and networking, operating system software, and so on--it's liberally illustrated for faster comprehension. This is the one book you can't afford not to have on your repair bench.

Troubleshooting Windows 7 Inside Out

Newnes PC Troubleshooting Pocket Book

PC Help Desk in a Book:The Do-It-Yourself Guide to PC Troubleshooting and Repair with a Simple Guide to Office XP

PC Repair Bench Book

Upgrading and Repairing Laptops

Cheryl Schmidt's The Complete A+ Guide to PC Repair, Fifth Edition Update presents the fundamentals of computer desktop and laptop installation, configuration, maintenance, and networking through simple, step-by-step instruction based on CompTIA A+® 2011 Edition objectives. With a focused emphasis on security and customer service skills, this comprehensive book on computer repair introduces the most important tools students need to become professional, customer-friendly technicians using today's technology. The A+ Certification Exam criteria are being updated, effective January 2011, to include Windows 7. The Fifth Edition Update now includes Windows 7 material.

Computer Service and Repair presents the most up-to-date information in the rapidly changing world of computers and their software. The text teaches the practices and principles needed to pass the A+ Certification exam, as well as to build, upgrade, and troubleshoot your personal PC. The text is written for students with limited or no PC technical experience as well as for PC technicians with limited formal training. Each chapter covers the latest in hardware and software as well as legacy items that may be found in the field. Chapters cover all the major areas of the PC; an additional three-chapter section is devoted to networking. Laboratories are found in both the text and the Laboratory Manual for the important hands-on training needed for this field. This textbook is an ideal starting point for anyone who wishes to enter the field of PC repair and support.

Ideal for PC owners looking for an accessible, easy-to-follow reference, this beginner's guide to PC hardware offers expert advice on every component--processors, motherboards, memory, BIOS, CD-ROM and DVD drives, video cards, and much more. You'll also get details on external devices, including monitors, printers, keyboards, and modems. The book covers both Intel and non-Intel CPUs and USB and AGP ports.

Examines the symptoms of troubled computers to diagnose and treat the problem, allowing readers to solve dilemmas including bad Windows installations, mismanaged system resources, viruses, and slow Internet connections.

The Do-it- Yourself Guide to PC Troubleshooting and Repair

A+ Certification Self-Study Guide

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Complete CompTIA A+ Guide to IT Hardware and Software

Computer Hardware Repair Guide Pc and Hidden Desgin of Computer Hardware and Software

**Most computer users think that fiddling with the insides of their PC is taboo. They fear that by removing the screws that hold the case on,**

they're crossing into forbidden territory. And even for those who know they can open the box and fix or upgrade their PC, analysis paralysis often stops them in their tracks: Which upgrades offer the best bang for the buck? How do you pinpoint the faulty component that's making your system freeze? What about compatibility issues? Get ready to get unstuck and get your PC running fast and running right. *Repairing and Upgrading Your PC* delivers start-to-finish instructions, simple enough for even the most inexperienced PC owner, for troubleshooting, repairing, and upgrading your computer. Written by hardware experts Robert Bruce Thompson and Barbara Fritchman Thompson, this book covers it all: how to troubleshoot a troublesome PC, how to identify which components make sense for an upgrade, and how to tear it all down and put it back together. This book shows how to repair and upgrade all of your PC's essential components: Motherboard, CPU, and Memory. Choose the optimal match of these core components to keep your PC running at top speed Hard Drive, Optical Drive, and Removable Storage Give your computer what it needs for long-term and short-term storage Audio and Video. Enhance your computing experience with the right sound and graphics devices for your needs Input Devices. Pick the best keyboard and mouse to keep your hands happy and healthy Networking. Set up secure wireless networking to keep the bits flowing between your computers and the outside world Cases and Power Supplies. Keep everything running cool and reliably With its straightforward language, clear instructions, and extensive illustrations, this book makes it a breeze for PC owners of any skill level to work on their computer.

Stop being a prisoner to your PC! Need a PC problem fixed in a pinch? Presto! *Troubleshooting & Maintaining Your PC All-in-One For Dummies* offers 5 books in 1 and takes the pain out of wading through those incomprehensible manuals, or waiting for a high-priced geek to show up days or weeks after you need them. Arming you with everything you need to get that pesky PC working for you ASAP, this handy guide walks you through all the steps to restoring whatever's making your PC go rogue -so you can get back to making it work for you. There's nothing worse than firing up your PC only to discover it's inexplicably unresponsive. With this guide, you'll gain all the skills and insight you need to need to bring it back to life -and to prevent it from ever leaving you in the lurch again. Find out what's behind common PC problems Solve email and web woes, both big and small Perform regular maintenance and get serious about backups Troubleshoot to find solutions to your issues and learn proper maintenance to head off future headaches! Your PC problems aren't as big as you think! Take matters into your own hands with the helpful instruction provided inside this book!

Written by bestselling author Ron Gilster, the *PC Technician Black Book* is an excellent bench top companion for any PC repairperson or home hobbyist. This no-nonsense guide helps you set up, upgrade and repair PCs. It is ready reference featuring step-by-step guides for troubleshooting, diagnosing and repairing many of the most common PC problems. Plus, it provides you with in-depth background information

on the different hardware technologies found in today's personal computer, without overwhelming you with nonessential information. This compact volume provides essential diagnostic and troubleshooting information in a portable size, 4 by 7 inches. The PC Troubleshooting Pocket Guide will help individuals diagnose computer problems with ease and speed. Updated to include information on Windows XP, Windows 2000, and Linux, this is an essential tool for anyone who needs to find PC information quickly and efficiently.

Troubleshooting, Maintaining and Repairing PC's

Pc Upgrade & Repair Black Book (W/Cd)

Including Motherboard and Component Level Repair!

In Depth

PC Upgrade & Repair Simplified

*Troubleshooting, Maintaining, & Repairing PCs will be the most comprehensive maintenance, configuration, & repair guide for IBM PCs, compatibles, & portables (and their peripherals). It will provide all levels of computer service personnel with a complete guide to computer service & repair by explaining the common failures of each major computer subsection & peripheral, then providing practical, realistic solutions to such problems.*

*"A+ Certification Self-Study Guide" is aimed at preparing readers for the A+ Certification Core and Operating Systems exams. Easy to read and understand, it strives to present the material in the most complete and technically accurate form. Comprehensive coverage of exam objectives and helpful tips for the successful completion of each exam are provided. Quick Reference Study Guides listed throughout the book condense an overwhelming amount of information into a format that is easier to study.*

*Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ 220-901 and 220-902 exams. This all-in-one textbook and lab manual is a real-world guide to learning how to connect, manage, and troubleshoot multiple devices in authentic IT scenarios. Thorough instruction built on the CompTIA A+ 220-901 and 220-902 exam objectives includes coverage of Linux, Mac, mobile, cloud, and expanded troubleshooting and security. For realistic industry experience, the author also includes common legacy technologies still in the field along with non-certification topics like Windows 10 to make this textbook THE textbook to use for learning about today's tools and technologies. In addition, dual emphasis on both tech and soft skills ensures you learn all you need to become a qualified, professional, and customer-friendly technician. Dozens of activities to help "flip" the classroom plus hundreds of labs included within the book provide an economical bonus—no need for a separate lab manual. Learn more quickly and thoroughly with*

*all these study and review tools: Learning Objectives provide the goals for each chapter plus chapter opening lists of A+ Cert Exam Objectives ensure full coverage of these topics Hundreds of photos, figures, and tables to help summarize and present information in a visual manner in an all-new full color design Practical Tech Tips give real-world IT Tech Support knowledge Soft Skills best practice advice and team-building activities in each chapter cover all the tools and skills you need to become a professional, customer-friendly technician in every category Review Questions, including true/false, multiple choice, matching, fill-in-the-blank, and open-ended questions, assess your knowledge of the learning objectives Hundreds of thought-provoking activities to apply and reinforce the chapter content and "flip" the classroom if you want More than 140 Labs allow you to link theory to practical experience Key Terms identify exam words and phrases associated with each topic Detailed Glossary clearly defines every key term Dozens of Critical Thinking Activities take you beyond the facts to complete comprehension of topics Chapter Summary provides a recap of key concepts for studying Certification Exam Tips provide insight into the certification exam and preparation process Offering hands-on performance-based exercises, real-life PC troubleshooting and repair scenarios, and hundreds of sample test questions, this complete test-preparation handbook covers the fundamentals of PC configuration, installation, and upgrading; troubleshooting, maintenance, and repair techniques; PC components; and other essentials. (Advanced)*

*Upgrading and Troubleshooting Your Own Computer Comptia Guide*  
*The Laptop Repair Workbook*  
*Fixing Your Computer Absolute Beginner's Guide*  
*PCs For Dummies*

*Upgrading and Repairing PCs*

***Newnes PC Troubleshooting Pocket Book provides a concise and compact reference that describes, in a clear and straightforward manner, the principles and practice of faultfinding and upgrading PCs and peripherals. The strong practical emphasis is backed up with many illustrations and examples of real-life problems. The book is aimed at anyone who is involved with the installation, configuration, maintenance, upgrading, repair or support of PC systems. It also provides non-technical users with sufficient background information, charts and checklists to enable the diagnosis of faults and help to carry out simple modifications and repairs. The new edition of PC Troubleshooting will continue to include a number of short cuts that are instrumental in avoiding hours of potential frustration and costly effort. In order to reflect rapid changes in computer technology (both hardware and software) this new edition has been completely revised and***

**rewritten. New and expanded sections on: modern machines (Pentium II, III, IV, AMD); modern buses (FSB, AGP, Cyrix, Chip sets); different RAM chip types and connectors; Win 2000, ME, XP; latest SCSI standards, Ultra DMA, "live" re-partitioning of the disc, FAT16, FAT36, NTFS, performance and compatibility differences; 'famous' viruses and personal firewalls. \* All the essential data for PC fault-finding and upgrading \* Ideal for systems support staff, businesses, students, teachers, and home PC users \* Strong practical emphasis is backed up with many illustrations and examples of real problems**

**Provides information on how to upgrade, maintain, and troubleshoot the hardware of laptop computers, discussing the differences among them as well as their various configuration options.**

**basic of Computer hardware Repair Guide Pc and Hidden Desgin of computer Hardware and Software**

**This compact book provides essential computer diagnostic, troubleshooting, and repair information in a convenient portable size (4 inches x 7 inches). The Enhanced PC Troubleshooting Pocket Guide will help individuals diagnose computer problems with ease and speed.**

**Updated to include information on recent CPUs and Windows 2000, this is an essential tool for anyone who needs to find information on computer repair quickly and efficiently. Although this book is designed to be used with the Enhanced A+ Guide to Managing and Maintaining Your PC (ISBN: 0-619-03433-5) by Jean Andrews (Course Technology), it can stand alone as a technician's reference.**

**Computer Repair with Diagnostic Flowcharts Revised Edition**

**Troubleshooting PC Hardware Problems from Boot Failure to Poor Performance**

**Managing and Maintaining Your PC**

**A+ Guide to Software**

**A+ Guide to Software + Lab Manual + Mindtap PC Repair, 1 Term - 6 Months Access Card**

The all-time bestselling PC reference, fully updated for the newest technologies! Previous editions of this fun and friendly PC guide have sold more than three million copies, making it the bestselling PC reference in the world. Dan Gookin, the author whose straightforward and entertaining style is the foundation of the For Dummies series, gives you the same easy-to-follow guidance in this edition, fully updated for Windows 8, using the cloud, and all the newest PC bells and whistles. It's perfect for the absolute beginner as well as for anyone switching to the latest hardware and software. Updated with information on all the latest upgrades, this edition of a worldwide bestseller covers all the essentials of using a PC, and presents them in a fun, non-intimidating style Popular technology author Dan Gookin starts at the beginning with all the basics that other books assume everyone knows Covers setting up your PC, exploring the Windows 8

interface, using network hardware and software, getting online and browsing with the newest version of Internet Explorer, setting up an e-mail account, connecting to the cloud, and using cloud-based services Shows you how to install and upgrade programs and manage files and folders Explores working with digital photos, downloading music, watching movies, and participating in social media PCs For Dummies, 12th Edition is the jargon-free, easy-to-use guide to everything you need to know about your PC.

The Laptop Repair Workbook includes twelve full page troubleshooting flowcharts for laptop hardware troubleshooting and explanatory text for every decision point. The book begins with an introduction to basic laptop terminology, troubleshooting procedures, and cost decisions. Supplementary illustrated tests and procedures are available on the publisher's website, [www.fonerbooks.com](http://www.fonerbooks.com). An ebook version is also available direct from the publisher.

This text from Cheryl Schmidt is geared towards computer support. To become certified, students must understand various hardware technologies, multiple operating systems, and basic networking. This book presents the terminology and concepts in a building block, easy-to-understand fashion. Students that use this book have numerous hands-on exercises to enhance their learning and help them retain the information presented.

This book will educate you on the Correct Process of Repairing The Entire Laptop, Including and concentrating more on Motherboard Repair Instruction, Screen Repairing, Component Level Diagnosing and Repairing. This is the 3rd Book Released By Author Garry Romaneo, The Worlds Leading Laptop Repair Technician, Author, and Consultant. The book will take you through the laptops disassembly process, Explaining in detail how to disassemble all laptops. You will then be taught all about Liquid Spills to Laptops. What to do, What not to do, How to Remove Liquid and How To Repair Any Damage from Liquid to parts or components. You will be shown all the various tools to be used in laptop repair both hand tools and electronic tools explained. This book will then explain the entire upper end repairing techniques. Replacing screens - how to- then it will show you in great detail how to disassembly the screen and repair or replace the LCD ccfl Bulb, the book will also discuss LED screens. You will be taught step by step how to solder a motherboard whether it is the components or the dc jack. The DC Jack Repair/Desoldering instructions are included. Most importantly, this book will teach you laptop motherboard repairing techniques. Learn to identify the parts and components on the motherboard, learn component replacement, motherboard testing techniques and more. This book also includes the authors Patented/Copyrighted and Trademarked Laptop Video Chip/GPU Motherboard Online Repair instruction. There is alot more included (Part Identification, Hard Drive Failure Issues etc...)so check it out now. Going Above And Beyond CompTia A+ Certification !!!

A Technician's Guide

PC Repair and Maintenance : A Practical Guide

Windows 10 Troubleshooting

Hardware and Software

Troubleshooting and Maintaining Your PC All-in-One For Dummies