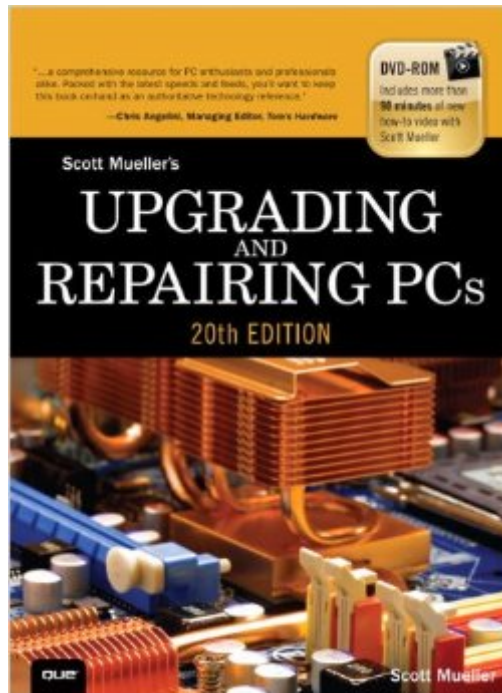


The book was found

# Upgrading And Repairing PCs (20th Edition)



## Synopsis

is a comprehensive resource for PC enthusiasts and professionals alike. Packed with the latest speeds and feeds, you'll want to keep this book on-hand as an authoritative technology reference.

Chris Angelini, Managing Editor, Tom's Hardware

For 20 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 20th Edition offers beefed-up coverage of the newest hardware innovations and maintenance techniques, plus more than 90 minutes of new DVD video.

Scott Mueller delivers practical answers about PC processors, motherboards, buses, BIOSes, memory, 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** The newest processors, including Intel's 2nd generation Core i3, i5, i7 plus the Atom, and AMD's new VISION series CPUs 3TB (and larger) disks, 4K sectoring, partition alignment, faster SATA disk interfaces, and SSD (Solid State Drive) hard drive replacements New firmware innovations, from full UEFI BIOS support to built-in motherboard flash BIOS upgrade utilities Integrated video and audio, including 5.1/7.1 surround sound, HDMI, and DisplayPort connections Updated PCI Express and Power Supply specifications for powering high-end video cards Emerging interfaces such as USB 3.0 and Thunderbolt Updated coverage of building PCs from scratch—from choosing and assembling hardware through BIOS setup and troubleshooting

**ON THE DVD** Get more than 90 minutes 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 hard disk drives, power supplies, motherboards, and more.

You will see hard drives completely dissected—even see an open hard drive in operation—so you can observe exactly what happens under the covers. One of the most common causes of failure in modern motherboards, power supplies, and many other PC components are bad capacitors—otherwise known as the capacitor plague. Mueller will show several real-world examples of this disease—so you can easily identify and perhaps even repair the problem. Finally, because external hard drives are now commonly used for supplementary storage and backups, you'll find a complete discussion of

several alternatives on the market. This includes tips and tricks for building or assembling your own flexible, high performance and highly reliable external storage drives, with several examples shown. This DVD also contains the complete 19th edition of this book in printable form, plus extensive technical reference material, a comprehensive glossary, and more! Â

## Book Information

Series: Upgrading and Repairing

Hardcover: 1104 pages

Publisher: Que Publishing; 20 edition (August 26, 2011)

Language: English

ISBN-10: 0789747103

ISBN-13: 978-0789747105

Product Dimensions: 7.4 x 2.4 x 9.4 inches

Shipping Weight: 4.2 pounds

Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (75 customer reviews)

Best Sellers Rank: #666,708 in Books (See Top 100 in Books) #79 inÂ Books > Computers & Technology > Hardware & DIY > Maintenance, Repair & Upgrading #144 inÂ Books > Computers & Technology > Hardware & DIY > Peripherals #190 inÂ Books > Computers & Technology > Hardware & DIY > Personal Computers > PCs

## Customer Reviews

Fred Sabin (President, New Jersey Computer Club) Review - October 13, 2011The New Jersey Computer Club (NJCC) is a not-for-profit organization dedicated to educating the public about computer systems, software, and their uses; providing community service to charities and educational groups; and sharing knowledge and social activities with other computer enthusiasts. A frequent topic of discussion, and a major need of our membership, is how to upgrade, troubleshoot, and repair their computer systems. In my opinion, this book continues to be the most authoritative and comprehensive reference on everything associated with these topics. Authored by well-known Scott Mueller and published by Que Publishing, this up-to-date (1081 page) resource book comes with an instructional and reference DVD, including the complete 19th edition of this book. Detailed technical information is very well presented in an easy to read format with extensive diagrams, figures, and tables that both illustrate concepts and organize historical and statistical data for clarity of understanding and ease of use. There are two main ways of using this book. First, you can utilize it as a learning tool to gain knowledge about an area of interest, such as a particular component of a

computer system. Second, you can utilize it as a technical reference, to find detailed information on a specific computer topic or component. Of major importance is the fact that the text covers not only current data and information, but also historical content on older systems and components that may still be in use. The chapter on "PC Diagnostics, Testing and Maintenance" is of special interest, as troubleshooting problem systems is a significant concern for our membership.

[Download to continue reading...](#)

Upgrading and Repairing PCs (20th Edition) Upgrading and Repairing PCs (22nd Edition)  
Upgrading and Repairing PCs (21st Edition) Upgrading and Repairing PCs Clock Repairing and Making - A Practical Handbook Dealing with the Tools, Materials and Methods Used in Cleaning and Repairing All Kinds of English an Dinnerware of the 20th Century: The Top 500 Patterns (Official Price Guides to Dinnerware of the 20th Century) Collecting Costume Jewelry 101: Basics of Starting, Building & Upgrading, Identification and Value Guide, 2nd Edition Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs Lab Manual, Fourth Edition (Exams 220-801 & 220-802) Mike Meyers' CompTIA A+ Guide to 801 Managing and Troubleshooting PCs, Fourth Edition (Exam 220-801) (Mike Meyers' Guides) Mike Meyers' CompTIA A+ Guide to 801 Managing and Troubleshooting PCs Lab Manual, Fourth Edition (Exam 220-801) Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs Lab Manual, Fifth Edition (Exams 220-901 & 220-902) Upgrading and Fixing Computers Do-it-Yourself For Dummies Build It. Fix It. Own It: A Beginner's Guide to Building and Upgrading a PC Upgrading and Fixing a PC in easy steps Microsoft Windows 7 Administrator's Reference: Upgrading, Deploying, Managing, and Securing Windows 7 Exam Ref 70-417 Upgrading from Windows Server 2008 to Windows Server 2012 R2 (MCSA) Collecting Costume Jewelry 101: The Basics of Starting, Building & Upgrading (Identification & Value Guide) Upgrading Your Small Sailboat for Cruising PCs All-in-One For Dummies The Order of the Stick, Vol. 0: On the Origin of PCs

[Dmca](#)