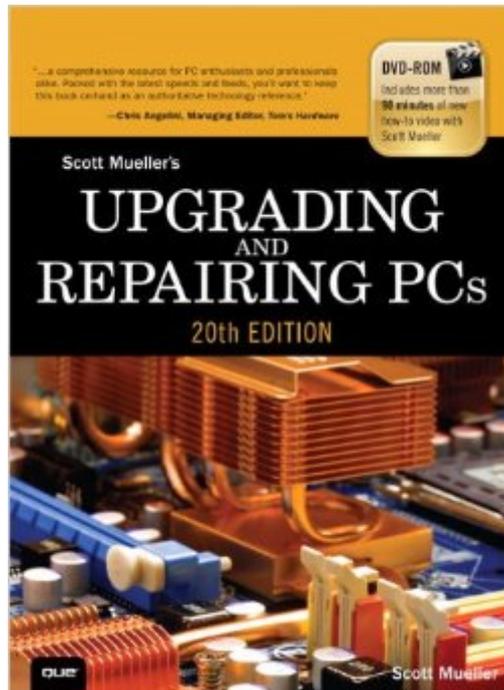## The book was found

Upgrading And Repairing PCs (20th Edition)

Synopsis

â œâ ¦a comprehensive resource for PC enthusiasts and professionals alike. Packed with the latest speeds and feeds, youâ ™ll want to keep this book on-hand as an authoritative technology reference.â • â "Chris Angelini, Managing Editor, Tomâ ™s Hardware Â For 20 years, Upgrading and Repairing PCs has been the worldâ ™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. Â 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. Youâ ™ll find the industryâ ™s best coverage of diagnostics, testing, and repairâ "plus cutting-edge discussions of improving performance via overclocking and other techniques. Â Mueller has taught thousands of professionals in person and millions more through his books and videosâ "nobody knows more about keeping PCs running perfectly. Whether youâ ™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! Â NEW IN THIS EDITION The newest processors, including Intelâ ™s 2nd generation Core i3, i5, i7 plus the Atom, and AMDâ ™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 scratchâ "from choosing and assembling hardware through BIOS setup and troubleshooting Â ON THE DVD Get more than 90 minutes of up-to-the minute, studio quality how-to videosâ "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. Â You will see hard drives completely dissectedâ "even see an open hard drive in operationâ "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 capacitorsâ "otherwise known as the capacitor plague. Mueller will show several real-world examples of this â œdisease,â • 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, youâ ™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

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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.

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