



# msi

MOTHERBOARD  
**B550M PRO-VDH WIFI**  
BUSINESS ELEGANCE



## SPECIFICATIONS

<b>Model Name</b>	B550M PRO-VDH WIFI
<b>CPU Support</b>	Support for 3rd Gen AMD <sup>™</sup> Ryzen <sup>™</sup> processors and future AMD <sup>™</sup> Ryzen <sup>™</sup> processors with BIOS update
<b>CPU Socket</b>	AMD Socket AM4
<b>Chipset</b>	AMD <sup>™</sup> B550 Chipset
<b>Graphics Interface</b>	1x PCIe 4.0 / 3.0 x16 slot
<b>Display Interface</b>	DisplayPort, HDMI, VGA - Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR4-4400 MHz (OC)
<b>Expansion Slots</b>	2x PCIe 3.0 x1 slots
<b>Storage</b>	1x M.2 Gen4 x4 slot, 1x M.2 Gen3 x4 slot, 4x SATA 6Gbps ports
<b>USB ports</b>	7x USB 3.2 Gen 1 5Gbps (5 Type-A + 1 Type-C) + 4x USB 2.0
<b>LAN</b>	Realtek <sup>™</sup> RTL8111H Gigabit LAN
<b>Wi-Fi / Bluetooth</b>	Intel <sup>™</sup> Wireless-AC 3168, Bluetooth 4.2
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost

## CONNECTIONS



1. VGA
2. USB 3.2 Gen 1 5Gbps Type-A
3. Keyboard / Mouse
4. LAN
5. Flash BIOS Button
6. DisplayPort
7. HDMI
8. USB 2.0
9. USB 3.2 Gen 1 5Gbps Type-A
10. Wi-Fi / Bluetooth
11. HD Audio Connectors

## FEATURES



### Core Boost

With premium layout and fully digital power design to support more cores and provide better performance.



### DDR4 Boost

Advanced technology to deliver pure data signals for the best gaming performance and stability.



### Lightning Gen4 Solution

The latest Gen4 PCIe and M.2 solution with up to 64GB/s bandwidth for maximum transfer speed.



### M.2 Shield FROZR

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.



### PCI-E Steel Armor

Protecting VGA cards against bending and EMI



### Mystic Light Extension

Control additional RGB or Rainbow strip added to your system with Dragon Center.



### 2x Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.



### Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

# Motherboard User Manual

**Eko Aprianto, M.Pd.**



## **Motherboard User Manual:**

**PC User's Bible** John Ross, Kelly L. Murdock, 2008-03-11 The perfect go to reference to keep with your PC If you want to get the most out of your PC you've come to the right source This one stop reference tutorial is what you need to succeed with your Windows Vista or Windows XP computer whether it's a desktop or a laptop From setting up your PC to using it for games and multimedia to keeping it running smoothly this comprehensive guide explains it all with clear step by step instructions tips from power users and much more Keep this valuable book on hand and power up with confidence Understand your PC's components inside and out Set up sound cards speakers and other audio gadgets Put a firewall in place and apply other security software Explore Microsoft's Windows and learn about options for other operating systems Play and create music videos podcasts and more Print scan fax make presentations and download photos Protect your PC against theft damage and eavesdroppers Explore common troubleshooting issues and their solutions

**Crafting the Perfect PC: A Practical Guide for Customization and Repair** Pasquale De Marco, 2025-04-12 In this comprehensive guide to PC customization repair and maintenance you'll discover the secrets to building troubleshooting upgrading and maintaining your PC like a pro With clear explanations step by step instructions and troubleshooting tips this book empowers you to take control of your PC and make it work for you Whether you're a seasoned PC enthusiast or just starting out this book provides a wealth of knowledge and practical advice to help you optimize your PC's performance and keep it running smoothly From selecting the right components and assembling your PC to diagnosing and resolving common issues you'll gain the skills and confidence to tackle any PC related challenge that comes your way Delve into the intricacies of your PC's hardware from the fundamental components like the motherboard processor and memory to the intricacies of cooling systems and power supplies Understand the importance of maintaining a clean and well optimized operating system and learn strategies for protecting your data from malware and other threats Discover the joy of building a high performance gaming rig upgrading your current PC or simply keeping your machine running smoothly With this book as your guide you'll become a true master of your own PC equipped with the knowledge and confidence to unleash its full potential Take control of your PC today and embark on a journey to PC mastery If you like this book write a review on google books

**PC Troubleshooter Resource Guide** TechRepublic, Incorporated, 2004 [PCs All-in-One For Dummies](#) Mark L.

Chambers, 2013-04-11 A perfect companion for your PC Whether you use your PC for work or play there's a lot to learn and a lot of territory to discover so take along a good guide Serving up nine meaty minibooks this All in One guide covers essential PC topics from soup through nuts including the latest on PC hardware Windows 8 the Internet all the tools in Office 2013 digital media troubleshooting and maintenance upgrading your PC home networking and PC gaming You'll get to know your PC inside and out and find yourself turning to this terrific resource again and again This new edition features expanded coverage of home networking and desktop gaming cool hardware for hardcore gamers exciting new Windows 8 features and

much more Nine minibooks provide a comprehensive PC overview and include PC Hardware Windows 8 The Internet Troubleshooting and Maintenance Office 2013 Music Movies and Photos Upgrading and Supercharging Home Networking and Gaming Explores step by step procedures for using the new Windows 8 operating system Delves into the techy nitty gritty on things like processor speeds hard drive capacities and upgrading Reviews ways to protect your PC from viruses offers troubleshooting tips and discusses how to supercharge your PC s performance PCs All in One For Dummies 6th Edition covers everything you need to know to get the most out of your PC

**AmigaOS 3.1 - user's manual - Volume Three**

Adam Zalepa, The book discusses the Amiga computer operating system version 3 1 and includes a continuation and expansion of the topics from Volume Two In the contents the author describes among other things how to display graphics and animations in various formats how to install sound card drivers how to make copies and recover data how to read data from Not DOS floppy disks how to create a rescue floppy how to remove viruses how to compress files and much more The series allows you to learn in detail about the operation and configuration of the Amiga system

*31 Days Before Your CompTIA A+ Certification Exam* Laura Schuster,Dave Holzinger,2016-10-18 CompTIA A 220 901 and 220 902 exams retired in 2019 Search the store to find CompTIA A Core 1 220 1001 and Core 2 220 1002 books eBooks and video courses 31 Days Before Your CompTIA A Certification Exam 31 Days Before Your CompTIA A Certification Exam offers you a friendly practical way to understand the A certification process commit to taking the A 220 901 and 220 902 exams and finish your preparation using a variety of Primary and Supplemental study resources The 900 series A exams test knowledge and skills needed to manage and troubleshoot desktop laptop and mobile hardware and networking technologies install use and troubleshoot Windows Linux and OS X utilize virtualization strengthen security and work effectively as an IT technician Sign up for the exam and use this book s day by day guide and checklist to organize prepare and review Each day in this guide breaks down an exam topic into a manageable bit of information to review using short summaries Daily Study Resources sections provide quick references for locating more in depth treatment within Primary and Supplemental resources This book s features help you fit exam preparation into a busy schedule Visual tear card calendar summarizing each day s study topic Checklist for tracking your progress in mastering exam objectives Description of the organization and sign up process for the A 220 901 and 220 902 exams Strategies to prepare mentally organizationally and physically for exam day Conversational tone to make study more enjoyable Digital Study Guide To enhance your preparation upgrade to the Digital Study Guide a media rich web edition that includes mobile friendly ebook interactive exercises and Check Your Understanding questions See offer inside A sample is available to preview at [www.pearsonitcertification.com](http://www.pearsonitcertification.com) title 9780134540030 Shelving category Certification Covers CompTIA A 220 901 and 220 902 [www.pearsonITcertification.com](http://www.pearsonITcertification.com)

**COMPUTER HARDWARE** JAMES, K. L.,2013-06-03 Computer Hardware Installation Interfacing Troubleshooting and Maintenance is a comprehensive and well organised book that provides sufficient guidelines and proper directions for assembling and upgrading the computer systems interfacing the

computers with peripheral devices as well as for installing the new devices Apart from this the book also covers various preventive and corrective steps required for the regular maintenance of computer system as well as the steps that are to be followed for troubleshooting The text highlights different specification parameters associated with the computer and its peripherals Also an understanding of the technical jargon is conveyed by this book Special coverage of laptops printers and scanners makes this book highly modernised The book is designed with a practice oriented approach supported with sufficient photographs and it covers even the minute aspects of the concepts Following a simple and engaging style this book is designed for the undergraduate students of Computer Science and Computer Maintenance In addition to this the book is also very useful for the students pursuing Diploma courses in Computer Engineering Hardware and Troubleshooting as well as for the students of Postgraduate Diploma in Hardware Technology and Application Key Features Quick and easy approach to learn the theoretical concepts and practical skills related with the computer hardware Comprehensive with enough illustrations to facilitate an easy under standing Detailed solutions provided by the experts for certain common problems to make better interaction with the learner An exclusive section Common Problems and Solutions to help in self resolving the general hardware related issues

Fix Your Own PC Corey Sandler,2007-06-12 Explains how to upgrade and repair processors memory connections drives multimedia cards and peripherals

**Mike Meyers' A+ Guide to PC Hardware** Michael Meyers,Scott Jernigan,2004 Written by an experienced computer and network skills trainer this book delivers a learning system designed to explain key IT principles It reinforces A Core Exam certification objectives and prepares students to work in the real world by applying networking concepts to solve business problems

Basic English for ICT Students Eko Aprianto, M.Pd.,2021-10-29 PREFACE iii TABLE OF CONTENT v UNIT 1 COMPUTER USERS 1 UNIT 2

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InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also

celebrates people companies and projects **Upgrading Your Home PC** Glenn E. Weadock,2006-02-20 With the Right Resource Upgrading s Easier than You Think Ever feel like PC technologies evolve so quickly that your own machine is out of date just months after you get it Now you can keep up without taking it to a professional without getting in trouble and without buying a new one Upgrading Your Home PC uses detailed photographs and clear step by step instructions to show you how to accomplish the most common most satisfying upgrade tasks yourself You ll be amazed by how easy it is Coverage includes Adding memory Adding a hard drive Adding a Zip or Jaz drive Adding a recordable CD drive Setting up a broadband Internet connection Installing an inkjet or laser printer Upgrading a display card Connecting a flat panel LCD monitor

Installing a network card Setting up a wired or wireless network Upgrading a power supply Upgrading your PC's sound system Using a digital camera with your PC Installing joysticks and other input devices Capturing video Upgrading your BIOS Upgrading or adding a CPU Setting up USB SCSI or FireWire buses      Windows?XP Gigabook For Dummies Peter Weverka, Mark L. Chambers, Greg Harvey, Woody Leonhard, Margaret Levine Young, Doug Lowe, 2004-04-30 What's a Gigabook A collection of just about everything you need to know on a topic all in one convenient place Windows XP Gigabook For Dummies takes the best from five other For Dummies books and squeezes out everything but the most important stuff This single super sized reference more than 800 pages worth gives you a go to guide on everything connected with Windows XP PCs and peripherals the Internet Office 2003 and Money 2004 You might think of it as a greatest hits collection Want to know how to set up navigate use and maintain Windows XP It's all in Book I Book II covers the care and feeding of PCs in general and takes you on a complete tour of peripherals those add-ons that make computing cool Want to explore the world via the World Wide Web Check Book III And if you finally have to do some work check into Book IV where you'll get the complete story on Office 2003 and Money 2004 You'll discover how to Customize Windows XP set up user accounts and share files Work with digital photos Windows Media Player and Windows Movie Maker Choose a printer scanner game hardware and additional storage Set up a wireless home network Get online safely protect your kids create your own Web pages and cruise for bargains on eBay Use Word Outlook Excel and PowerPoint Manage your finances with Microsoft Money Windows XP Gigabook For Dummies is packed with information that's easy to find and even easier to understand Keep it handy for reference you'll be gigapleased with how useful it is      **Electronics Projects Vol. 22 (With CD)**, 2009-11      **Forensic Computing** Anthony Sammes, Brian Jenkinson, 2013-04-17 In this book Tony Sammes and Brian Jenkinson show how information held in computer systems can be recovered and how it may be deliberately hidden or subverted for criminal purposes Forensic Computing A Practitioner's Guide is illustrated by plenty of case studies and worked examples and will help practitioners and students gain a clear understanding of how to recover information from computer systems in such a way as to ensure that its integrity cannot be challenged and that it will be accepted as admissible evidence in court the principles involved in password protection and data encryption the evaluation procedures used in circumventing these safeguards the particular legal issues associated with computer generated evidence and how to ensure admissibility of such evidence      **InfoWorld**, 1989-08-28 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects      PC Systems, Installation and Maintenance R. P. Beales, 2006-08-11 Written in a straightforward easy to read style Rob Beales provides the knowledge and techniques needed to build troubleshoot and maintain personal computer systems Divided into three parts Part 1 forms an introduction to digital computers leading the reader through the various parts of a modern PC system including popular peripherals and networking concepts Part 2 contains a step by step guide on the assembly and configuration of a complete state of the art PC

system including a section on the use of important Windows 98 ME 2000 XP applications and components Part 3 covers preventative predictive and corrective maintenance based in typical current work practice a major part of the IT practitioner's work schedule Case Studies and practical worked examples are included throughout the text with additional Case Studies specifically aimed to meet the requirements of e Quas courses on an accompanying website Further web resources include key figures from the text available to download in full colour with a wealth of extra material covering Binary Hex and basic logic functions ASCII tables Connector types and pinouts Bus slots RAM slots and further useful website links Updated throughout in line with current technologies the second edition is also designed to cover the latest specifications of BTEC National and City and Guilds e Quas 400 and 500 courses and the A certification in addition to meeting the needs of the general PC user

**Maximum PC**, 2002-03 Maximum PC is the magazine that every computer fanatic PC gamer or content creator must read Each and every issue is packed with punishing product reviews insightful and innovative how to stories and the illuminating technical articles that enthusiasts crave

**Upgrading and Repairing Laptops** Scott Mueller, 2004 Beyond cutting edge Mueller goes where no computer book author has gone before to produce a real owner's manual that every laptop owner should have This book shows the upgrades users can perform the ones that are better left to the manufacturer and more

**Build Your Dream PC: A Step-by-Step Guide to Creating a Powerful and Reliable Computer** Pasquale De Marco, 2025-03-15 In the realm of technology building your own PC stands as a testament to creativity innovation and the pursuit of excellence This comprehensive guide unlocks the secrets of crafting a personalized computing machine that caters to your unique needs and aspirations With clear and concise instructions we'll guide you through every step of the PC building process empowering you to select the ideal components assemble them with precision and optimize the system for peak performance Whether you're a seasoned builder or a novice enthusiast this book is your trusted companion providing the knowledge and confidence to bring your vision to life Delve into the intricacies of choosing the perfect case motherboard CPU memory storage and graphics card taking into account factors such as compatibility budget and intended use Learn how to install these components with meticulous care ensuring a stable and reliable system Discover the art of cable management maximizing airflow and aesthetics within your PC's chassis Master the art of software installation and operating system setup ensuring seamless integration of hardware and software Explore advanced topics such as overclocking and undervolting unlocking the hidden potential of your system's components Fine tune your PC's performance with expert tips and tricks achieving the ultimate balance of speed stability and efficiency This book is more than just a guide it's an invitation to embark on a journey of discovery and creation Embrace the challenge of building your own PC and experience the satisfaction of owning a machine that truly reflects your individuality If you like this book write a review

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