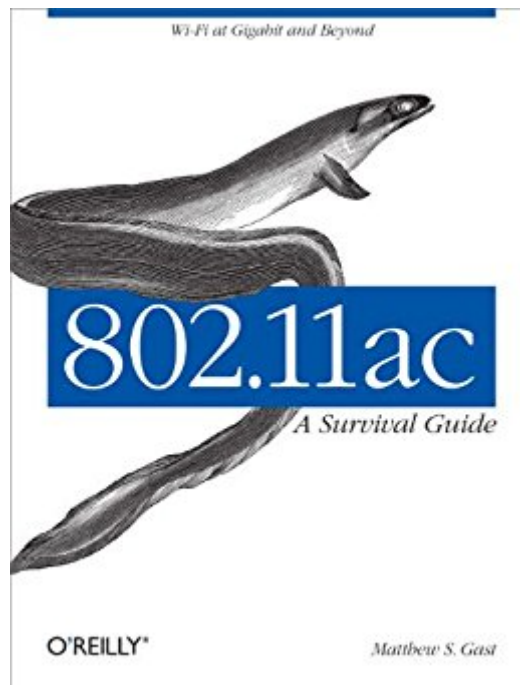


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# 802.11ac: A Survival Guide



## Synopsis

The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gastâ ”an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Allianceâ ”explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the solution. This book gets you started. Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN. Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO. Learn how multi-user MIMO increases capacity by enabling an AP to send data to multiple clients simultaneously. Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections.

## Book Information

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## Customer Reviews

A fine follow-up to Gasts previous two books. The improvements and differences in the new standard are very well covered. Some people have complained that he makes too many references to his previous two works, but given the subject matter, its really necessary if you want to understand it IN DEPTH - unless you are willing to dissect the 1400+ pages of the previous IEEE 802.11 standards. There are really only a few references that cover some of the more esoteric parts of the previous standards. If you can handle not knowing everything down to the absolute lowest bit level, and all you need are the essential parts of "ac", this book is more than adequate. I suggest you get this book.

I have a customer that was interested in upgrading to AC immediately. This book provided some great insight into wireless AC and the expected roll out of devices that will be able to utilize the technology. With this solid information i was able to provide my customer a clear and accurate assessment of Wireless AC vs Wireless N and set the appropriate expectations.

Great book. If you need to understand 11ac, this is a great bridge for helping to understand the amendment. I have had to learn the technology and be able to teach it to other people. Reading Matthew's book helped immensely when trying to interpret the official document.

I gave this book 5 stars because this book gives me what I need to be comfortable with the new 802.11ac specification. After all the new specifications in 802.11n, I was nervous about delving into the new 802.11ac specs. Matthew sets the stage by explaining that 802.11ac is more evolutionary than revolutionary. He goes on to explain the new specs in a way that does make them seem evolutionary. He also breaks down every new packet field and every field whose usage has been updated. His explanation and examples of planning the new wider channels is clear and concise. That section is pure gold for anyone embarking on channel planning an 802.11ac WLAN! A great knowledge foundation for what is sure to become the next popular WLAN standard. I recommend this book for anyone who is working with WLANs today.

Good fundamental description of 11ac but seem a little dated. Needs a refresh to match current status of technology.

Excellent. Well written and to the point. Mathew has delivered another classic to the wireless community. Definitely a keeper. Philw

Nice explanation. I'm using it as a companion to the CWNA study guide and it clarifies a lot of things that the study guide doesn't.

Whether your a newcomer or a seasoned professional this is a great resource to read and have handy.

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