

802.11ac A Survival Guide

Wi-Fi 11a, 802.11b, 802.11-2012, 802.11n (Wi-Fi 4), 802.11 family of standards, which are commonly used for local area networking of devices and Internet access, allowing nearby digital devices to exchange data by radio waves. 11h, 802.11af, 802. are: 802.11-2016, 802.11ac (Wi-Fi 5), 802.11ad, 802.11-2007, 802. These are the most widely used computer networks, used globally in home and small office networks to link devices and to provide Internet access with wireless routers and wireless access points in public places such as coffee shops, restaurants, hotels, libraries, and airports. 11ah Wi-Fi () is a family of wireless network protocols based on the IEEE 802.11g, 802.11i, 802.4a7f4bc5b0

== Overview and product type == 4a7f4bc5b0 MIMO-OFDM is the foundation for most advanced wireless local area network (wireless LAN) and mobile broadband network standards because it achieves the greatest spectral efficiency and, therefore, delivers the highest capacity and data throughput. Greg Raleigh invented MIMO in 1996 when he showed that different data streams could be transmitted at the same time on the same frequency by taking advantage of the fact that signals... 4a7f4bc5b0 The Wi-Fi Alliance separated the introduction of 802.11ac wireless products into two phases ("waves"), named "Wave 1" and

"Wave 2". From mid-2013, the alliance started certifying Wave 1 802.11ac products shipped by manufacturers, based on the IEEE 802.11ac Draft 3.0 (the IEEE standard was not finalized until later that year). Subsequently, in 2016, Wi-Fi Alliance introduced the Wave 2 certification, which includes additional... 4a7f4bc5b0 In January 2025 Dell announced a major restructuring that saw the demise of the Latitude brand, along with others. Latitude was succeeded by Dell Pro. 4a7f4bc5b0

MIMO-OFDM ISBN 978-1-4493-4313-2. 802. 5307460. Gast, Matthew (July 2013). 11ac: a Survival Guide. Archived from the original Multiple-input, multiple-output orthogonal frequency-division multiplexing (MIMO-OFDM) is the dominant air interface for 4G and 5G broadband wireless communications. O'Reilly Media. S2CID 29001312. 1109/MCOM. 2009. Research conducted during the mid-1990s showed that while MIMO can be used with other popular air interfaces such as time-division multiple access (TDMA) and code-division multiple access (CDMA), the combination of MIMO and OFDM is most practical at higher data rates. It combines multiple-input, multiple-output (MIMO) technology, which multiplies capacity by transmitting different signals over multiple antennas, and orthogonal frequency-division multiplexing (OFDM), which divides a radio channel into a large number of closely spaced subchannels to provide more reliable communications at high speeds 4a7f4bc5b0

Wi-Fi is a trademark of the Wi-Fi Alliance, which restricts the

use of the term "Wi-Fi Certified" to products that successfully complete interoperability certification testing. Non-compliant hardware is simply referred to as WLAN, and it may or may not work with "Wi-Fi Certified" devices. As of 2017, the Wi-Fi Alliance consisted of more than 800 companies from around the world. As of 2019, over 3.05 billion Wi-Fi-enabled devices are shipped globally each year.

Dell Latitude Windows 95 with possibility to partition and install Linux, Desktop Survival Guide) 2007: 28 June: D430 announced 2005: 30 March: X1 announced 2003: 29 Dell Latitude was a line of laptop computers manufactured and sold by American company Dell. It was a business-oriented line, aimed at corporate enterprises, healthcare, government, and education markets, sitting alongside Inspiron and XPS for consumers, and Vostro for smaller businesses

IEEE 802.11ac IEEE 802. 11ac-2013 and also simply called 802. 11 set of protocols (which is part of the Wi-Fi networking family), providing high-throughput wireless local area networks (WLANs) on the 5 GHz band. 11ac, is a wireless networking standard in the IEEE 802. 11ac, formally IEEE 802. 11ac, is a wireless networking standard in the IEEE 802. 11ac, formally IEEE 802. 11ac-2013 and also simply called 802. 11 set of protocols (which IEEE 802. The standard has been retroactively labelled as Wi-Fi 5 by Wi-Fi Alliance

The specification has multi-station throughput of at least 1.1 gigabit per second (1.1 Gbit/s) and single-link throughput of at least 500 megabits per second (0.5 Gbit/s). This is accomplished by extending the air-interface concepts embraced by 802.11n: wider RF bandwidth (up to 160 MHz), more MIMO spatial streams (up to eight), downlink multi-user MIMO (up to four clients), and high-density modulation (up to 256-QAM). 4a7f4bc5b0 The Latitude line directly competed with Acer's TravelMate, Asus's ExpertBook, HP's EliteBook, Lenovo's ThinkPad and Toshiba's Portégé. The "Rugged (Extreme)", "XFR" and "ATG" models compete primarily with Panasonic's Toughbook line of "rugged" laptops. 4a7f4bc5b0 Wi-Fi uses multiple parts of the IEEE 802 protocol family and is designed to work well with its wired sibling, Ethernet. Compatible devices can network through wireless access points with each other as well as with... 4a7f4bc5b0

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