

FREQUENTLY ASKED QUESTIONS

APPLE WI-FI UPDATE

Thank you for attending the Apple Wi-Fi Update session at Aruba Atmosphere! The links below reflect the content of the slides.

WI-FI 6 AND WI-FI 6E

Use Wi-Fi 6E networks with Apple devices

<https://support.apple.com/HT213433>

FCC Opens 6 GHz Band to Wi-Fi and Other Unlicensed Uses

<https://www.fcc.gov/document/fcc-opens-6-ghz-band-wi-fi-and-other-unlicensed-uses-0>

Office of Engineering and Technology Announces Conditional Approval for 6 GHz Band

AFC Systems <https://www.fcc.gov/document/oet-announces-conditional-approval-6-ghzband-afc-systems>

Wi-Fi Alliance AFC Specification and Test Plans

https://www.wi-fi.org/downloads-registered-guest/AFC-Specifications_and_Test_Plans_04072023.zip/38132

Wi-Fi Alliance Wi-Fi CERTIFIED 6

<https://www.wi-fi.org/discover-wi-fi/wi-fi-certified-6>

Wi-Fi Alliance Wi-Fi 6E: Wi-Fi in the 6 GHz band (2021)

https://www.wi-fi.org/downloads-registered-guest/Wi-Fi_6E_paper_202112.pdf/37285

IEEE 802.11ax-2021 Enhancements for High-Efficiency WLAN

<https://ieeexplore.ieee.org/document/9442429>

IEEE 802.11-2020 Wireless LAN Medium Access Control and Physical Layer Specifications

<https://ieeexplore.ieee.org/document/9363693>

AUTO-JOIN AND ENTERPRISE FEATURES

How iOS, iPadOS, and macOS decide which wireless network to auto-join

<https://support.apple.com/HT202831>

Wi-Fi network roaming with 802.11k, 802.11r, and 802.11v on iOS, iPadOS, and macOS

<https://support.apple.com/HT202628>

About wireless roaming for enterprise (iOS & iPadOS)

<https://support.apple.com/HT203068>

macOS wireless roaming for enterprise customers

<https://support.apple.com/HT206207>

WI-FI SPECIFICATIONS FOR APPLE PRODUCTS

iPad Wi-Fi Specification details

<https://support.apple.com/guide/deployment/ipad-wi-fi-specification-details-depf9bb7e412>

iPhone Wi-Fi Specification details

<https://support.apple.com/guide/deployment/iphone-wi-fi-specification-detailsdep268652e6c>

MacBook Pro Wi-Fi Specification details

<https://support.apple.com/guide/deployment/macbook-pro-wi-fi-specification-detailsdep2ac3e3b51>

MacBook Air Wi-Fi Specification details

<https://support.apple.com/guide/deployment/macbook-air-wi-fi-specification-detailsdep97005355c>

Apple TV Wi-Fi Specification details

<https://support.apple.com/guide/deployment/apple-tv-wi-fi-specification-detailsdep50299a28c>

Connect your Apple Watch to Wi-Fi

<https://support.apple.com/HT209071>

About Bluetooth, Wi-Fi, and cellular on your Apple Watch

<https://support.apple.com/HT204562>



SECURITY

Secure access to wireless networks

<https://support.apple.com/guide/security/secure-access-to-wireless-networks-sec8a67fa93d>

Wi-Fi Alliance Specifications (WPA3, OWE, and more)

<https://www.wi-fi.org/discover-wi-fi/specifications>

RFC 8110 - Opportunistic Wireless Encryption

<https://www.rfc-editor.org/rfc/rfc8110>

How Apple devices join Wi-Fi networks (Authentication and Encryption support)

<https://support.apple.com/guide/deployment/how-apple-devices-join-wi-fi-networksdep3b0448c58>

PRIVACY

Wi-Fi Privacy (MAC address randomization, Private Wi-Fi Address, Sequence numbers, hidden networks)

<https://support.apple.com/guide/security/wi-fi-privacy-secb9cb3140c>

Use private Wi-Fi addresses on iPhone, iPad, iPod touch, and Apple Watch

<https://support.apple.com/HT211227>

About iCloud Private Relay

<https://support.apple.com/HT212614>

Prepare Your Network or Web Server for iCloud Private Relay

<https://developer.apple.com/support/prepare-your-network-for-icloud-private-relay>

Get ready for iCloud Private Relay WWDC 2021

<https://developer.apple.com/videos/play/wwdc2021/10096/>

iCloud Private Relay Overview

https://www.apple.com/privacy/docs/iCloud_Private_Relay_Overview_Dec2021.PDF