

Top 5 reasons to catch the second 802.11ac Wave

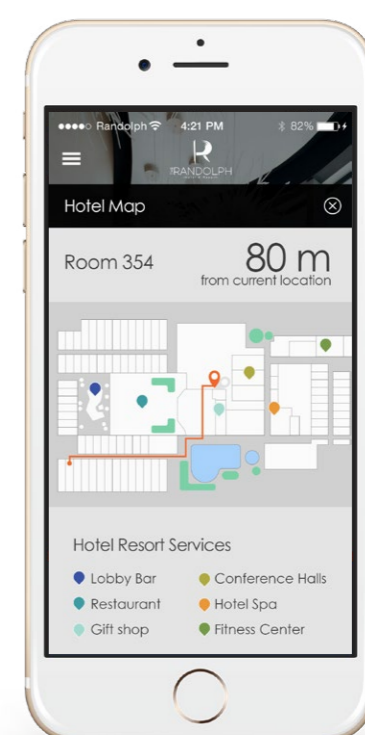


1

Everything is going mobile.

Including your workers.

Today's workforce is on the go, and they need access from anywhere, on any device. With **802.11ac**, you can deliver reliable wireless to support a range of applications.



802.11ac Wave 2 delivers data rates of 2.34 Gbps, exceeding 802.11n by up to

80%¹

2

A small change won't cut it.

To support the increasing number of devices and requirements of applications, you need a big leap forward in bandwidth.

3

The rise in devices calls for multiuser functionality.

Your wireless network needs to support all that traffic. 802.11ac Wave 2 multiuser multiple-input, multiple-output (MU-MIMO) services multiple clients simultaneously so you can more effectively support today's highest-performing mobile devices.



Wireless traffic is expected to triple in the next 3 years and exceed wired traffic by

21%²



“We use the latest technologies to help prepare our students for their future education and careers. Cisco delivers high-performance, high-capacity solutions that will continue to grow with us for years to come.”

– Dr. Roberto Rubino, CTO, Passaic County Technical Institute³



4

The rise in mobility calls for coverage everywhere.

Deliver increased scale and coverage with 802.11ac Wave 2.

“Typically, end users have extremes, they either love or hate wireless. The Meraki devices provide the speed and improved user experience. It just works and people are happy.”

– John Krull, CTO, Oakland Unified School District

5

The future of high-speed networking is waiting.

Get your switches ready for 802.11ac with **Cisco® Catalyst® Multigigabit technology**. It delivers speeds beyond 1 Gb on existing Category 5e (Cat5e) cables and provides cost savings for customers migrating to Wave 2. It supports **Power over Ethernet (PoE)**, **PoE+**, and **Cisco Universal Power over Ethernet (UPOE)** so you don't even have to install new electrical circuits to power access points.



Add **Cisco ONE for Access** to get a complete suite of software capabilities for security, lifecycle, and energy management.

1. Comparing 802.11ac Wave 1 and Wave 2: 802.11ac Wave 1 PHY rate 1.3 Gbps (today), 802.11ac Wave 2 PHY rate 2.34–3.47 Gbps (WFA Certification process continues).
 2. Cisco Visual Networking Index: Forecast and Methodology, 2014-2019 White Paper, Cisco, May 27, 2015.
 3. Wireless Network Connects 50-Acre Campus, Cisco, 2014.