

Cisco Mobility Solutions for the Medium-Sized Business



BYOD Made Simple

The bring-your-own-device (BYOD) trend is having an effect on every business: small, medium sized, and large. Consumers are purchasing mobile devices faster than in any other technology adoption curve the industry has seen. This has caused many medium-sized businesses to struggle to support the multitude of mobile devices, while at the same time questioning how all these devices are affecting the security of their wireless networks.

To face the ever-more competitive business landscape and increase employee productivity, 64 percent of midmarket CEOs surveyed are focusing on the creation of a more collaborative environment. This creates a need to evolve medium-sized business wireless infrastructures and securely manage corporate information access, while keeping network administration costs down.

Businesses are faced with making sure of a consistent mobile experience, allowing employees to wander from desk to conference room while maintaining their connection over a smartphone, laptop, tablet, or combination thereof. Additionally, with increasing smartphone usage, businesses are looking for ways to reduce overall cellular costs by taking advantage of the Wi-Fi network. This, in turn, requires a reliable wireless connection within the building. The medium-sized business is faced with making sure of an umbrella of pervasive, in-building wireless coverage while at the same time maintaining operational efficiency.

The Cisco Solution for Medium-Sized Business Mobility

To meet these new mobility challenges, medium-sized businesses can get started with secure mobility solutions from Cisco with affordable, reliable 802.11n access points providing high reliability and performance. Then, as needs grow, physical or virtual wireless LAN controllers can be added for easier network operation and rogue detection.

Figure 1. Cisco Midmarket Mobility Solutions

Cisco Midmarket Mobility:
One simple solution for all your BYOD needs.

The graphic illustrates a comprehensive mobility solution. At the top, a Cisco 802.11n access point is shown connected to a network switch and a laptop displaying a secure email interface. Below this, three scenarios are depicted in a stylized building: a person walking with a smartphone, a meeting around a table with a tablet, and a person working at a desk with a laptop. The bottom of the graphic shows a city skyline with a central building highlighted in blue, representing the Cisco solution. The Cisco logo and the URL www.cisco.com/go/midmarketbyod are displayed at the bottom.



Affordable, High-Performance Wireless



The new [Cisco® Aironet® 1600 Series Access Point](#) is an enterprise-class, entry-level, 802.11n-based access point designed to address the wireless connectivity needs of small and medium-sized enterprise networks. These affordable access points offer the quality and reliability for maximum uptime, helping reduce troubleshooting risks. They are ideal for improving in-building mobility. The 1600 Series offers the performance advantage of 802.11n enterprise-class performance with 3x3 multiple-input, multiple-output (MIMO) technology with two spatial streams, making it ideal for small and medium-sized enterprises. Designed with rapidly evolving mobility needs in mind, the Cisco Aironet 1600 Series Access Point addresses the BYOD trend by providing advanced functionality at the right price point.

Cisco Aironet 1600 Access Points can be purchased in standalone or controller-based models to support your unique requirements for scale and mobility services. Most midsized businesses deploy these access points in a standalone configuration of up to 25 access points. If your business needs more than 25 access points, you should consider the operational efficiency of deploying the optional controller-based architecture. You can change standalone access points to the controller-based configuration with a firmware upgrade, preserving your investment as your network grows.

Why Cisco for Midsized Businesses?

- Affordable and secure solution
- High performance with enterprise-class design
- Quality and reliability for maximum uptime and minimal problems
- Grow as you go: Add additional functionality on an as-needed basis

Centralized Control, Simplified Deployment



Controllers reduce overall operational expenses by simplifying network deployment, operations, and management. They allow network administrators to remotely configure and monitor several to thousands of access points in a simple and efficient way.

Deploy [Cisco Wireless LAN Controllers](#) to manage the wireless functions in your business. These controllers help Cisco Aironet access points communicate in real time to simplify deployment and day-to-day operations. Delivering 802.11n reliability, this wireless controller lowers total cost of ownership and gives you the flexibility to scale as your business network requirements grow.

[Cisco Virtual Wireless LAN Controller](#) is a virtual form-factor controller that facilitates remotely configuring, managing, and troubleshooting the performance of local and branch wireless networks. The Cisco Virtual Wireless LAN Controller consolidates the virtualized infrastructure for operational efficiency with the ability to coexist with other virtualized network services, such as [Cisco Prime™ Infrastructure](#).

Cisco 2500 Wireless Controller (Figure) is an affordable controller that manages the wireless functions in your small to medium-sized business. It helps Cisco Aironet access points communicate in real time to simplify the deployment and operation of wireless networks. By centralizing control of access points, it can lower total cost of ownership and scale as your network requirements grow.



Converged Lifecycle and Assurance Management



[Cisco Prime Infrastructure](#) provides comprehensive unified access lifecycle management, end-user connectivity, and application performance visibility to enable IT organizations to deliver services that meet today's business demands.

It accelerates the rollout of new services and advanced technologies, while providing secure access and tracking of mobile devices, making BYOD a reality. Tightly coupling end-user awareness with application performance visibility and network control, Cisco Prime Infrastructure helps ensure end-user quality of experience.

With the ability to be deployed on a virtual appliance with a 25-device license, Cisco Prime Infrastructure is suited for midsized business that want to reduce operational expense and maximize ROI.

Grow as You Go: The Flexibility to Scale Services

Transition your network infrastructure as you grow. Cisco Aironet access points provide industry-leading performance for secure and reliable wireless connections. Cisco offers a [broad portfolio of access points](#) targeted to the specific needs of all industries, business types, and topologies.

Take advantage of the integrated [Cisco CleanAir®](#) technology for a self-healing, self-optimizing network that avoids RF interference. [Cisco ClientLink](#) technology improves reliability and coverage for mixed-client network environments.

Get More from Your Wireless Investment

Transition to a lean branch environment with the [Cisco Flex 7500 Series Wireless Controllers](#) or the high-performance [Cisco 5500 Series Wireless Controllers](#).

Take advantage of a full portfolio of security products allowing secure web use with [Cisco ScanSafe](#) Secure Mobility, next-generation firewall services, and threat defense with the [Cisco ASA Adaptive Security Appliances](#); secure remote access with [Cisco AnyConnect®](#); and dynamic, industry-leading access policy enforcement with [Cisco ISE](#).