

Cisco ONE for Access Wireless

Cisco® ONE Software helps customers purchase the right software capabilities to address their business needs. It helps deliver reduced complexity, simplified buying, and the peace of mind that today’s software investments will last into the future. These products offer a greater value to customers with more features at “better together” pricing.

Cisco ONE Software provides customers with four key benefits:

- Access to ongoing innovation and new technology from Cisco through Cisco Software Support Service (SWSS)
- Investment protection of software purchases through software services-enabled license portability
- Software suites that address typical customer use case scenarios at an attractive price
- Flexible licensing models to smoothly distribute customer’s software spending over time

Table 1 outlines the common IT challenges and how Cisco ONE Software helps customers deal with these challenges.

Table 1. IT Management Challenges and Cisco ONE Software Benefits

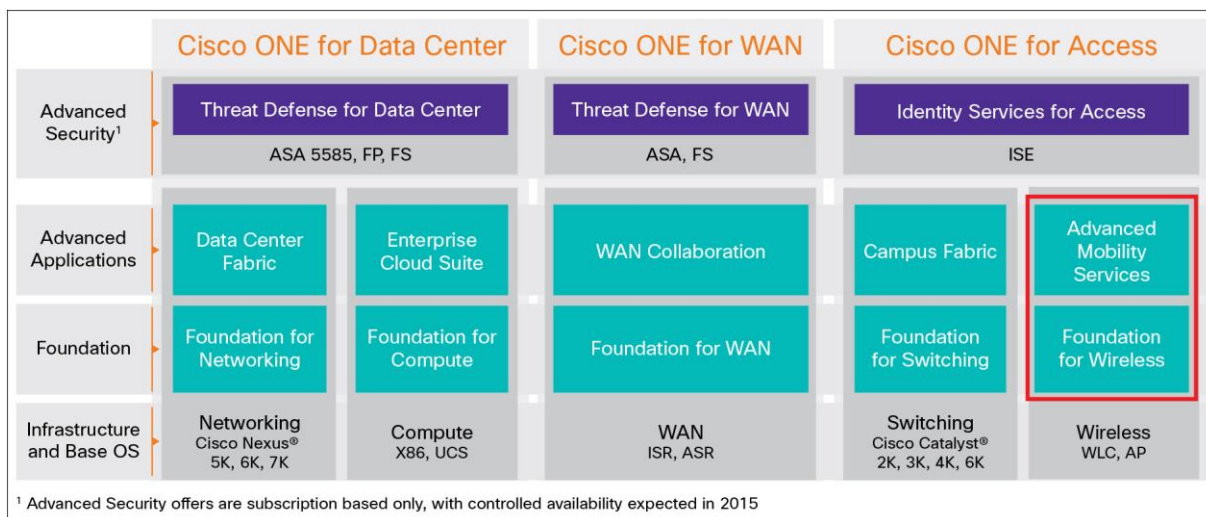
IT Management Challenges	Cisco ONE Software Benefits
<p>Shrinking IT Budgets IT budgets are shrinking while IT demands continue to accelerate. As the costs of IT and downtime skyrocket, companies need to balance shrinking budgets with easy-to-deploy networks that enhance operational efficiency.</p>	<p>Deliver More Value for Your Money Cisco ONE Software is designed for common customer use scenarios and offered at a “better together” price, making it easier and less expensive for you to deploy complete solutions.</p> <p>Increase Investment Protection Software services-enabled license portability lets your software licenses stay current through hardware upgrades and replacements at no additional cost.</p>
<p>Infrastructure Inflexibility IT organizations lack an automated way to keep pace with changing business needs and demands for more resources. It often takes weeks to procure and provision a new network service.</p>	<p>Enhance Business Agility Cisco ONE Software delivers critical business solutions and provides you with the tools you need to deploy, maintain, and manage your software.</p>
<p>Lack of Buying Options Organizations need more options for buying software to improve their flexibility, reduce risk, and cut costs.</p>	<p>Flexible Licensing Models Evenly distribute your software spending over time with subscription-based and other flexible purchasing models.</p>
<p>Implementation Obstacles Deploying software and implementing new use cases can often cause major disruptions to your current operations.</p>	<p>Reduce Risk and Downtime Cisco’s technical and professional services provide the expertise, smart tools and proven processes that reduce risk and lower downtime.</p>
<p>Excessive Time and Costs for Maintenance The majority of your IT budget and most of your workloads are focused on routine maintenance, limiting your ability to innovate and grow your business.</p>	<p>Accelerate ROI and Time-to-Value Optimize the performance of your networks to get the most out of your technology investments. Accelerate your business outcomes with expert guidance from Cisco technical and professional services.</p>

Product Overview

What Is Cisco ONE for Access Wireless?

Cisco ONE for Access Wireless is a complete software solution that helps you deliver and manage business-class wireless connectivity for all your employees and customers. It helps unlock the business potential in your wireless network while providing all the capabilities required to deploy, manage, and track wireless performance and activity. Cisco ONE for Wireless is available in two versions for broad deployment flexibility in branch and campus environments: Foundation for Wireless and Advanced Mobility Services (Figure 1).

Figure 1. Cisco ONE Software



Benefits of Cisco ONE for Access Wireless

Cisco ONE Foundation for Wireless

Connect, secure, and manage a business-class Wi-Fi network for mobility and bring-your-own-device (BYOD) environments.

- Configure and scale your wireless network with full application visibility. Visualize and manage applications and traffic on your network.
- Proactively manage wireless devices and users, and segregate trusted users from guest users, by authenticating and authorizing with a single policy across wired and wireless networks.
- Reduce operational expenses by simplifying network deployment, operations and management with one management solution for wireless and wired lifecycle management and assurance.
- Optimize wireless network performance while lowering costs, increasing operational efficiency and application visibility.
- Achieve operational excellence by understanding customer traffic patterns and locate critical high value assets with improved accuracy and fast location update.
- Protect your wireless connectivity from attacks, interruptions, and downtime.
- Easy guest access and customizable landing page experience with the Cisco custom location-enabled captive portal and capability to use social media credentials for guest onboarding.

Cisco ONE Advanced Mobility Services

Create personalized mobile experiences to unlock the full potential of your businesses.

- Tap into the connected lifestyle of your customers, create rich engagements by providing context aware mobile content while gaining meaningful analytics
- Interact with mobile users directly through push notifications and way-finding services.
- Understand how customers are interacting with your network, individually and collectively. Gain insight into mobile user behavior and improve operations with Wi-Fi-based location analytics.
- Integrate with other applications for customized value creation.
- Secure your mobile platform from intrusion, denial-of-service attacks, and other threats.

Software Components of Cisco ONE for Access Wireless

Cisco ONE Foundation for Wireless provides access point licenses, wireless connectivity optimization technology, network management, and base identity services:

- **Cisco Wireless LAN Controller (WLC)** provides centralized configuration, policy, and optimization of the wireless network. It serves as the foundation for other mobility services.
- **Cisco Connected Mobile Experience (CMX) Base** provides location-based services and real-time location tracking of rogue devices, sources of interference, RFID tags, Wi-Fi clients and Bluetooth low energy (BLE) beacons^{*}.
- **Cisco CleanAir[®] Technology** enhances RF spectrum monitoring and management by classifying and locating individual sources of RF interference.
- **Cisco Identity Services Engine (ISE) Base^{**}** enhances security policy management and control by simplifying access control and security compliance for wired and wireless devices including non cisco device integration. It provides secure access (AAA, 802.1X), guest management, basic BYOD support, and link encryption (MACsec).
- **Cisco Prime[™] Infrastructure** is network management that connects the network to the device to the user to the application - end to end and all in one. Its capabilities permit simplified deployment of Cisco value-added features and single pane of glass management. It increases application visibility and serves as the core management solution for wireless and wired lifecycle management and assurance.

Cisco ONE Advanced Mobility Services offers the ability to detect, connect, and engage customers based on location. It allows to study user behavior and location analytics, advanced wireless security, and intrusion protection:

- **Cisco Connected Mobile Experiences (CMX)** uses the Cisco wireless network and location intelligence and analytics from Cisco Mobility Services Engine (MSE) to help create personalized mobile experiences for mobile end users and improve operational efficiency with location-based services.

^{*} C1-MSE-LS-1 can be applied to physical (MSE-33x5-K9) or virtual MSE appliance ([download](#)). Customers using MSE 8.0 software (or prior) need to activate virtual MSE appliance by purchasing L-MSE-7.0-K9.

^{**} Customers deploying Cisco Identity Services Engine (ISE) should work with a Cisco Authorized Technology Provider (ATP certified) partner. Licensing for 25 endpoints is included with Cisco ONE for Wireless.

- **Cisco Wireless Intrusion Prevention System (WIPS)** enables the detection, location, and mitigation of wireless attacks on the wireless network and devices.

Wireless Access Points and Controllers Supported by Cisco ONE for Access Wireless

Access point platforms:

- All Cisco Access Points are supported

Cisco WLC platforms:

- Cisco 2500 and 5500 Series Wireless LAN Controllers
- Cisco Flex 7500 Series Wireless LAN Controllers
- Cisco 8500 Series Wireless LAN Controllers
- Cisco Virtual Wireless LAN Controller
- Cisco Wireless Services Module 2 (WiSM2) for Cisco Catalyst® 6500 Series Switches
- Cisco 5760 Wireless LAN Controller
- Cisco Catalyst 3650 and 3850 Series Switches (converged access mode)

Features of Cisco ONE for Wireless Access

Table 1 lists the features and capabilities of Cisco ONE for Wireless Access. The top part of the table lists the features for the Foundation for wireless access offer across the different products and the bottom part lists the features for the Advanced Mobility Services offer.

Table 2. Features and Capabilities of Cisco ONE for Wireless Access

Cisco ONE Foundation for Wireless	
Manages, secures and optimizes your wireless network for the best client experience	
RRM - Radio Resource Management and Optimization	✓
Cisco CleanAir® Technology Spectrum and Interference Analysis	✓
Cisco Application Visibility and Control	✓
* Cisco Identity Services Engine Base (ISE) Client Profiling, Basic BYOD, Cisco Trustsec(SGT), MACSec, External Restful services	✓ (25 endpoints)
Base Wireless Intrusion Prevention (Base WIPS)	✓
Enhance security with network access control and encryption	
AAA/802.1x	✓
CMX Base (Location Services)	✓
CMX Connect (Location aware guest captive portal with social media login)	✓
MACsec	✓
Provide real time location service	
Hyperlocation, FastLocate and RSSI trilateration for WiFi clients	✓
Locate rogue APs, interferers, BLE beacons and RFID tags	
Advanced Spectrum Capabilities	✓
Mobility Services API	✓

Provide great user experiences with application and network performance monitoring	
Cisco Prime Infrastructure	✓
Cisco Prime Assurance	✓
Cisco ONE Advanced Mobility Services	
Sophisticated Mobility Services for Customer Engagement, Wireless Security, and PCI Compliance	
Build customer loyalty through location and online analytics and personalized engagement	
Cisco CMX Analytics, Presence and Social Analytics	✓
Detect, locate, mitigate, and contain wired and wireless rogues and threats	
Advanced Wireless Intrusion Attack Identification and Classification	✓
Active Attack Mitigation	✓

* Additional features like AAA Y802 1X, TACACS+ & RADIUS need to be purchased alacarte

Cisco and Partner Services

Cisco ONE Software Services

Services from Cisco and our certified partners enable the primary features of Cisco ONE Software to help you maximize business outcomes and protect your investment. Pairing software and hardware support together provides the best set of benefits to reduce costs and keep your business on track.

Cisco ONE Software Foundation and Advanced Applications suites both use Cisco Software Support Service (SWSS) for ongoing support and maintenance. SWSS enables ongoing innovation and license portability. It includes major software upgrades, minor software updates and maintenance, access to our award-winning Technical Assistance Center (TAC), and instant access to online resources. By providing an integrated and comprehensive service, we help you quickly resolve issues while seeing cost savings and productivity gains.

Your SWSS contract provides:

- Access to the TAC for software issues 24 hours a day, 7 days a week
- Major upgrades, minor updates, and maintenance for licensed software applications
- Software license portability entitlement
- Access to ongoing innovation
- Access to online resources

Cisco Smart Net Total Care includes access to TAC for hardware and entitlement to smart capabilities to reduce your operating expenses and free your IT staff to focus on business innovation. Entitlement provides self-service access to the SNTC portal, free download of the Cisco collector software, and community support for the portal and collector. SNTC includes:

- Access to the TAC for hardware and base OS software issues 24 hours a day, 7 days a week
- Software updates for base OS software
- Access to online resources
- Advance hardware replacement
- Entitlement to smart capabilities

By providing an integrated and comprehensive service, we help you quickly resolve issues while seeing cost savings and productivity gains.

Professional Services for Cisco ONE Software

Professional services for Cisco ONE Software include optional Quick Start enablement services customized to domain-specific Cisco ONE software bundles and use cases. These enablement services help you to unlock and rapidly absorb software feature capabilities.

With expert guidance, processes, and tools, Cisco and our partner professional services organizations help you fully realize the technology benefits of Cisco ONE Software, reduce implementation risk, and achieve faster time to value. These fixed-scope, fixed-price services can be ordered with Cisco ONE Software products with a single click, greatly simplifying the ordering process.

Quick Start services include basic end-to-end turn-up of new capabilities, which, depending on the specific software, may include one or more of the following:

- Technology transformation and strategy workshop
- Readiness assessment of software environment
- Logical changes to underlying network, computing, or storage architecture
- Software installation, configuration, and customization
- Task automation and orchestration
- Migration and onboarding
- Feature and functionality test
- Development of operational run books
- Knowledge transfer

Cisco also offers an optional set of day-2 services for adoption, change management, and optimization for Cisco ONE Software, including ongoing support for:

- Change governance
- Continuous assessment, monitoring, and optimization of software features and capabilities
- Basic enablement and design for additional capabilities
- Basic enablement and design for system integration
- Planning for technology optimization and transformation
- Proactive bug scrubs, metrics measurement, and software reviews

The combination of day-1 (planning and deployment) and day-2 (managing, operating, and optimizing) professional services delivers optimal support for Cisco ONE Software and enhances your ability to continuously achieve your desired business outcomes.

Cisco ONE for Access Wireless Ordering Information

For a complete list of Cisco ONE for Access Wireless product and service part numbers, click [here](#).

Cisco Capital

Financing to Help You Achieve Your Objectives

Cisco Capital can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. [Learn more.](#)

For More Information

To learn more about how Cisco ONE Software can help your organization, visit the Cisco ONE website: <http://www.cisco.com/go/one>. If you're interested in having a conversation about Cisco ONE Software, please contact your account manager or authorized reseller.



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