

Cisco Connected Mobile Experiences (CMX) 10 Ordering and Licensing Guide

Customers can choose to deploy CMX 10 on-premises on a Connected Mobile Experiences (CMX) 3375 hardware or a virtual appliance. This document details the ordering and licensing process for the CMX 10 software.

CMX is also available as a cloud-delivered software with a service (SaaS) model. Please see the [CMX Cloud Data Sheet](#) for ordering and licensing information on CMX Cloud.

To download, evaluate, and purchase the CMX software and virtual MSE:

1. Download the CMX software from [Cisco.com](#).
2. Install the software on a virtual server for evaluation (see the [Cisco MSE data sheet](#)).
3. CMX 10 software comes with a 120-day evaluation license. After 120 days, licenses are required.
4. To purchase licenses, order L-MSE-PAK-N and choose amount and type of licenses required. Choose L-LS-1AP-N for base and L-AD-LS-1AP-N for advanced license
5. Software support has to be purchased separately and is priced for license type & number of APs

To purchase the **CMX 3375 physical** appliance:

1. Select AIR-CMX-3375-K9
2. Select software version NEW (10.x). Software comes with a built-in 120-day evaluation license. After 120 days, licenses are required
3. To purchase licenses, order L-MSE-PAK-N and choose amount and type of licenses required. Choose L-LS-1AP-N for base and L-AD-LS-1AP-N for advanced license
4. Software support has to be purchased separately and is priced for license type & number of APs
5. Hardware support is attached to the AIR-CMX-3375-K9 product ID

Ordering the Services Licenses - Which Licenses Do I Need?

Cisco CMX requires licenses to enable functionality. All licenses are per access point.

There are three types of CMX licenses:

- **CMX Base license** provides the following services:
 - Location: The ability to determine the location of Wi-Fi clients, interfering devices (such as microwaves and BLE Beacons), and calculated location for RFID tags.
 - Location APIs: Third-party integration using standard REST APIs
 - High Availability: Ability to run on an Active/Standby pair

Note: CMX Base license does not include Hyperlocation, Fastlocate capability.

- **CMX Advanced license** provides the following services:
 - Includes all CMX Base services
 - Hyperlocation and FastLocate capabilities to improve location accuracy and Latency
 - Partner stream for sending raw RSSI values of RFID tags to partner applications.
 - CMX Connect: Visitor Wi-Fi onboarding platform
 - CMX Analytics
 - CMX Connectors
 - Location Analytics API
 - CMX Presence Analytics

Note: CMX Analytics and CMX Presence Analytics cannot be used simultaneously. A CMX instance will use either location or presence.

- **CMX Upgrade license** provides the following services:
 - This license is used to upgrade customers using CMX Base License to the level of CMX Advanced license

CMX licenses are available as options under **L-MSE-PAK-N** in the Ordering Tool. Table 1 lists the SKUs for the various licenses. 3375 Appliance is also compatible with the DNA Spaces software subscription licensing.

Table 1. Cisco CMX License SKUs

Base Location License SKU	Description
L-LS-1AP-N	CMX Base license for 1 access point
L-AD-LS-1AP-N	CMX Advanced license for 1 access point
L-UPG-LS-1AP-N	Upgrade license from CMX Base to CMX Advanced for 1 access point

CMX Scale - How Many Licenses Can I Add to CMX?

Cisco CMX 10 software can be installed on two platforms: Cisco 3375 CMX hardware appliance and the Cisco CMX Virtual Appliance (vMSE). If choosing virtual machine option, we recommend the specifications of your underlying physical host to match CMX 3375 Appliance in terms of compute, memory and SSD disk drive. Table 2 lists the scalability of each of the CMX. CMX Location computation involves calculating (x, y) location while Presence involves determining location of the nearest access point. Hyperlocation with FastLocate computes highly accurate location estimate using Angle of Arrival (AoA) technology.

Table 2. Scaling of Cisco CMX/MSE Platform

Appliance	Presence		RSSI		Hyperlocation (includes FastLocate)		Analytics	Movement
	# of Access Points	# of Unique MACs Tracked Devices per Day	# of Access Points	# of Unique MACs Tracked Devices per Day	# of Access Points	# of Unique MACs Tracked Devices per Day	# of Zones	# of NMSP messages per second
CMX 3375	10,000	200,000	10,000	100,000	1,000	10,000	1,000	2,500
High-end vMSE	10,000	200,000	10,000	90,000	1,000	10,000	1,000	2,500

* Scaling numbers are based on typical visitor behavior (movements per second). In certain situations, the number of tracked devices may be lower.

Ordering Support for CMX 10

Hardware and software support are ordered separately. If using the CMX 3375, both hardware and software support are available. If using the vMSE, only software support is available. Table 3 lists the SKUs for CMX and CMX support.

MSE and CMX Support SKUs

MSE Model	SKU	Service SKU	Description
CMX 3375 hardware (physical) appliance	AIR-CMX-3375-K9	CON-SNT-AIRCMX39	Hardware support
CMX Base license	L-LS-1AP-N	CON-ECMU-LLS1APN	Software support
CMX Advanced license	L-AD-LS-1AP-N	CON-ECMU-LADLS1PN	Software support
CMX Upgrade license (from CMX Base to CMX Advanced)	L-UPG-LS-1AP-N	CON-ECMU-LUPGLSPN	Software support

License Portability

CMX 10 licenses are portable and can be ported between different instances of Appliances. A single license is required for the two servers in an active/standby pair. The same license should not be used in production concurrently on multiple, non High Availability pairs of CMX instances.

Cisco CMX Licensing Help

For technical support related to licensing, contact the Cisco Technical Assistance Center (TAC) at 800 553-2447 or tac@cisco.com. For questions related to your licensing order, contact Cisco Customer Service at <https://www.cisco.com/go/customerservice>.

For More Information

For more information about Cisco CMX, visit <https://www.cisco.com/go/cmx>. For information on licensing please visit Cisco licensing website.



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