

# List of Mobility Express Features per Release

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## Introduction

This document describes the lists of features available in the Mobility Express platform and in which version of code they started to be supported.

## Prerequisites

## Requirements

Cisco recommends that you have knowledge of Mobility Express platform.

## Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

# Feature Introduction Per Version

## 8.1.111.0

- Mobility Express support on Access Point (AP) 1850

## 8.2.100.0

- Network Time Protocol (NTP) Domain Name Server (DNS) support

## 8.3.102.0

- Internal Dynamic Host Configuration Protocol (DHCP) support
- Smart AP upgrade
- Standalone Mode
- Guest Access Enhancements
- Connected Mobile Experiences (CMX) Connect for Guest
- Simple Network Management Protocol (SNMP) version 3 support with Graphic User Interface (GUI) support
- Force failover to specific controller
- GUI Day 1: Radio Frequency (RF) parameter screen
- Automatic redirect Day 0 to 192.168.1.1
- External Guest web authentication
- Import customized guest log in
- Import/Export Configuration from GUI
- Show command to display list of APs in downloading state (**show ap downloading summary**)
- RF default group name is system name

## 8.4.100.0

- GUI export support bundle
- Plug-n-Play (PnP) support
- Connection On-line (CCO) Cisco credentials exported with config
- Application Visibility and Control (AVC) and Hypertext Transfer Protocol (HTTP) profiling disabled by default
- Dual reboot of APs 3700 when upgrading to 8.4 or higher

## 8.5.103.0

- Rogue AP support
- Network Address Translation (NAT) for wireless clients

- Management interface supports the obtention of IP address by DHCP
- Ability to disable DHCP scope from GUI
- Support for AP IW3702 as subordinate AP

## 8.6.101.0

- Transport Layer Security (TLS) Secure Tunnel
- Support for three syslog servers on GUI
- Configuration change notification on GUI
- Cisco Centralized Key Management Configuration support on GUI
- Preferred controller configuration on GUI
- 802.1x supplicant configuration on GUI
- Ability to block traffic from internal AP clients to controller
- Log generated when gateway is not reachable
- primary AP election priority based on AP model
- Password length increased to 127 characters

## 8.7.102.0

- Bi-Directional Bandwidth Rate Limiting
- IPv4 DNS Access Control Lists (ACLs)
- Optimal AP Join
- Support for Central Web Authentication (CWA)
- Support for Bring Your Own Device (BYOD)
- Support for DNS pre-auth ACLs
- GUI Support for VLAN templates configuration
- Support for Remote Local Area Network (RLAN)
- GUI support for Organizational Unique Identifier (OUI) update
- GUI support for Extensible Authentication Protocol (EAP) certificates upload
- Support for passive clients
- GUI configuration for Limit clients per WLAN and/or radio
- Support for PnP software download on Day 0
- SNMP trap generated for primary failover
- Virtual Router Redundancy Protocol (VRRP) conflict mac address detection
- Same model of primary AP downloads its image directly from active controller, instead of Trivial File Transfer Protocol (TFTP)
- Prevention of AP and controller using same IP address
- Support for Peer-2-Peer (P2) blocking
- GUI option to update Accounting Call-station-id type
- GUI support for AP groups
- GUI support for AP dot1x configuration

## 8.8.100

- Support for mDNS Policy.
- Support for Authentication Caching on Cisco Mobility Express

- Support for DNS ACL rules on Cisco Mobility Express.
- Support for TLS client that allows the Cisco Mobility Express to form a secure tunnel to the TLS gateway residing in the Central Site.
- Support for the Cisco Aironet 4800 Series access points
- Conversion of AP type default configuration from CAPWAP to Cisco Mobility Express mode when it runs the Mobility Express image
- SFTP support for AP conversion from CAPWAP to Cisco Mobility Express image
- DHCP option 43 support for conversion of AP from Cisco Mobility Express to CAPWAP image
- Option to configure virtual router identifier (VRID) via CLI
- Support for Ethernet over GRE (EoGRE) tunneling
- Efficient AP join
- Multicast to Unicast support
- Option to configure RFID tracking via CLI. Cisco Mobility Express currently supports tracking of up to 2000 active RFIDs.
- Support for HTTPs connection to Cisco DNA Center for Assurance purposes
- AP does not reboot when it joins an AP group or the AP group's RF profile is modified.
- GUI enhancements: SFTP domain name support Schedule WLAN Optimized roaming (only in Expert View) Bonjour chromecast support (also configurable via CLI)

## 8.8.110

- Support for Cisco Umbrella.
- IPSK on Flexconnect

## 8.8.120

- Flex+Mesh support on 1542 and 1562

## 8.9.100

- Support for 9115 and 9117 APs as member APs (not as Mobility Express controller AP)

## 8.9.111

- Support for 9120 APs as member APs (not as Mobility Express controller AP)

## 8.10.105

- Support for WPA3
- Support Trap Notification via SNMPv3
- Support for RADIUS accounting messages for AP events
- Support for per AP group NTP Server
- Support for Mesh mode in Cisco Mobility Express  
ME + RAP Support: 1542, 1562, 1815i, 1832, 1852, 2800, 3800, 4800, and 6300  
Indoor Mesh Support: 1815i, 1832, 1840, 1852, 2800, 3800, and 4800
- Configuration Management enhancements (scheduled download)

- Day 0 Flex+Bridge mode configuration

## **8.10.110/113**

- No new features

## **8.10.121/122**

- Configure SNMP with Strong Passwords.

## **8.10.130**

- No new feature

**Note:** For further details about an specific release consult its release notes: [Mobility Express - Release Notes](#)