



Supported Platforms

Cisco Unified Border Element is supported on various platforms running on Cisco IOS Software Releases and Cisco IOS XE Software Releases.



Note For information on migrating from existing Cisco IOS XE 3S releases to the Cisco IOS XE Denali 16.3 release, see [Cisco IOS XE Denali 16.3 Migration Guide for Access and Edge Routers](#)

The following table provides information on Cisco router platform support for Cisco Unified Border Element:

Cisco Router Platforms	Cisco Router Models	Cisco IOS Software Releases
Cisco Integrated Services Generation 2 Routers (ISR G2)	Cisco 2900 Series Integrated Services Routers Cisco 3900 Series Integrated Services Routers	Cisco IOS 12 M and T Cisco IOS 15 M and T ¹
Cisco 4000 Series Integrated Services Routers (ISR G3)	Cisco 4321 Integrated Services Routers Cisco 4331 Integrated Services Routers Cisco 4351 Integrated Services Routers Cisco 4431 Integrated Services Routers Cisco 4451 Integrated Services Routers	Cisco IOS XE 3S Cisco IOS XE Denali 16.3.1 onwards ²
	Cisco 4461 Integrated Services Routers	Cisco IOS XE Amsterdam 17.2.1r onwards
Cisco 1000 Series Integrated Services Routers (ISR)	All router models belonging to Cisco 1100 Integrated Services Routers	Cisco IOS XE Gibraltar 16.12.1a onwards

Cisco Router Platforms	Cisco Router Models	Cisco IOS Software Releases
Cisco Aggregated Services Routers (ASR)	Cisco ASR1001-X Aggregated Services Routers	Cisco IOS XE 3S Cisco IOS XE Denali 16.3.1 onwards
	Cisco ASR1002-X Aggregated Services Routers	
	Cisco ASR1004 Aggregated Services Routers with RP2	
	Cisco ASR1006 Aggregated Services Routers with RP2 and ESP40	
	Cisco ASR1006-X Aggregated Services Routers with RP2 and ESP40	Cisco IOS XE Everest 16.6.1 onwards
	Cisco ASR1006-X Aggregated Services Routers with RP3 and ESP40/ESP100	Cisco IOS XE Everest 16.6.1 onwards
	Cisco ASR1006-X Aggregated Services Routers with RP3 and ESP100X	Cisco IOS XE Amsterdam 17.3.2 onwards
Cisco Cloud Services Routers (CSR)	Cisco Cloud Services Router 1000V series	Cisco IOS XE 3.15 onwards Cisco IOS XE Denali 16.3.1 onwards
Cisco Catalyst 8000V Edge Software (Catalyst 8000V)	Cisco Catalyst 8000V Edge Software (Catalyst 8000V)	Cisco IOS XE Bengaluru 17.4.1a onwards
Cisco 8300 Catalyst Edge Series Platforms	C8300-1N1S-6T C8300-1N1S-4T2X C8300-2N2S-6T C8300-2N2S-4T2X	Cisco IOS XE Amsterdam 17.3.2
Cisco 8200 Catalyst Edge Series Platform	C8200-1N-4T	Cisco IOS XE Bengaluru 17.4.1a
Cisco 8200L Catalyst Edge Series Platform	C8200L-1N-4T	Cisco IOS XE Bengaluru 17.5.1a

¹ Support for CUBE on Cisco 2900 Series Integrated Services Routers and Cisco 3900 Series Integrated Services Routers are only up to release 15.7 M.

² All CUBE features from release 11.5.0 (Cisco IOS XE Release 3.17) and features introduced in CUBE 11.5.1 on Cisco Integrated Services Generation 2 Routers (ISR G2) are included in CUBE release 11.5.2 for the Cisco IOS XE based platforms from Cisco IOS XE Denali 16.3.1 onwards.

• [Feature Comparison on Supported Platforms](#) , on page 3

Feature Comparison on Supported Platforms

The following table provides high level details of CUBE features supported on different platforms.



Note Collaboration feature support on Cisco ISR 4000 Series Routers is available from Cisco IOS XE Release 3.13.1S onwards. Cisco Cloud Services Routers 1000V Series support is available from Cisco IOS XE Release 3.15S onwards.

Table 1: Feature Comparisons for Supported Platforms

Features	Cisco ASR 1000 Series Routers	Cisco ISR G2 Series Routers	Cisco ISR 4000 Series Routers	Cisco ISR 1000 Series Routers
High Availability Implementation	Redundancy Group Infrastructure	Hot Standby Protocol (HSRP) Based	Redundancy Group Infrastructure	No
Media Forking	Yes (Cisco IOS XE Release 3.8S onwards)	Yes (Cisco IOS Release 15.2 (1) T onwards)	Yes (Cisco IOS XE Release 3.10S onwards)	No
DSP Card Type	SPA-DSP	PVDM2/PVDM3	PVDM4 SM-X-PVDM	No
Transcoder registered to CUCM	No	Yes (Exists via SCCP)	Yes (Exists via SCCP - Cisco IOS XE Release 3.11S onwards)	No
Transcoder—LTI	Yes	Yes	Yes	No
Cisco UC Gateway Services API	Yes (Cisco IOS XE Release 3.8S onwards)	Yes (Cisco IOS Release 15.2(2)T onwards)	Yes	Yes
Noise Reduction and ASP	Yes	Yes (Cisco IOS Release 15.2(3)T onwards)	Yes	No
Call Progress Analysis	Yes (Cisco IOS XE Release 3.9S onwards ; Recommended - Cisco IOS XE Release 3.15S)	Yes Cisco IOS Release 15.3(2)T onwards; Recommended -Cisco IOS Release 15.5(2)T onwards)	Yes Recommended - Cisco IOS XE Release 3.15S	No

Features	Cisco ASR 1000 Series Routers	Cisco ISR G2 Series Routers	Cisco ISR 4000 Series Routers	Cisco ISR 1000 Series Routers
SRTP-RTP Interworking	Yes - No DSP resources required (Cisco IOS XE Release 3.7S onwards)	Yes - DSP resources required (Cisco IOS Release 12.4(22)YB onwards)	Yes - No DSP resources required Cisco IOS XE Release 3.12S onwards	Yes - No DSP resources required
CUBE for SP Managed and Hosted Services	Yes	Yes	Yes	Yes
Unified SRST colocation with CUBE	Not supported	SCCP SRST is supported SIP SRST is not supported	Yes (Cisco IOS XE Fuji 16.7.1 Release onwards)	Yes. From Cisco IOS XE Bengaluru 17.5.1a
IPv6	Yes	Yes	Yes	Yes

Table 2: Feature Comparisons for Supported Platforms (Contd...)

Features	Cisco CSR 1000V Series Routers	Cisco 8000V Catalyst Series Edge Platforms	Cisco 8300 Catalyst Edge Series Platforms	Cisco 8200 Catalyst Edge Series Platforms	Cisco 8200L Catalyst Edge Series Platforms
HA Implementation	RG Infrastructure	RG Infrastructure	RG Infrastructure	RG Infrastructure	RG Infrastructure
Media Forking	Yes	Yes	Yes	Yes	Yes
DSP Card Type	No	No	NIM-PVDM SM-X-PVDM	NIM-PVDM SM-X-PVDM	NIM-PVDM SM-X-PVDM
Transcoder registered to CUCM	No	No	Yes (via SCCP)	Yes (via SCCP)	Yes (via SCCP)
Transcoder—LTI	No	No	Yes	Yes	Yes
Cisco UC Gateway Services API	Yes	Yes	Yes	Yes	Yes
Noise Reduction & ASP	No	No	Yes	Yes	Yes
Call Progress Analysis	No	No	Yes	Yes	Yes

Features	Cisco CSR 1000V Series Routers	Cisco 8000V Catalyst Series Edge Platforms	Cisco 8300 Catalyst Edge Series Platforms	Cisco 8200 Catalyst Edge Series Platforms	Cisco 8200L Catalyst Edge Series Platforms
SRTP-RTP Interworking	Yes - No DSP resources required (Cisco IOS XE Release 3.15S onwards)	Yes - No DSP resources required	Yes - No DSP resources required	Yes - No DSP resources required	Yes - No DSP resources required
CUBE for SP Managed and Hosted Services	Yes	Yes	Yes	Yes	Yes
Unified SRST colocation with CUBE	Not supported	No	Yes	Yes	Yes
IPv6	Yes	Yes	Yes	Yes	Yes



Note For more information on Unified SRST and Unified Border Element Co-location, see [Unified SRST and Unified Border Element Co-location](#).
Co-location of Cisco Unified Border Element - High Availability (HA) with Unified SRST is not supported.

