CCM & CME Feature Descriptions Matrix EDCS-484313 Revision 2.2	CME 3	TK S.	SK Z	THE P.	33.3	36	200				3.0	\$\f\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	200			\	This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
Communication Manager Feature Name						/ '	' '									\ \	Notes/ Restrictions
Abbreviated Dialing	V	V	V	1	1			V	V	1	V	V	V	\checkmark	1	V	
Annunciator	V		V	\checkmark	\checkmark			V	V	\checkmark	\checkmark		\checkmark	$\sqrt{}$	$\sqrt{}$	V	CME Support via TCL to play recording to mis-dialed calls
Answer/Release	V		V	\checkmark	\checkmark	V	√	V	V	\checkmark	\checkmark		\checkmark	$\sqrt{}$	$\sqrt{}$	V	
Application Programmable Interfaces ▼																	
AXL SOAP Database API	√	$\sqrt{}$	7		$\sqrt{}$	√	V	V	7	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	V	
AXL SOAP Servicability API														V	1	√	
Call Detail Records (CDR) and Call Management Records (CMR) API						V	√	V	V	$\sqrt{}$	V	V	V	V	V	√	
Computer Telephony Integration (CTI) API	√	$\sqrt{}$	V	V	$\sqrt{}$	√	√	√	√	$\sqrt{}$	V	V	V	$\sqrt{}$	V	V	
Extension Mobility API						V	√	√	√	$\sqrt{}$	V	V	V	V	V	√	
IP Phone Services API (XML Serivces)	√	V	V	V	$\sqrt{}$	√	√	V	V	V	V	V	√	V	V	√	
JTAPI API		Ė		T		V	V	1	V	V	V	V	V	V	Ż	V	
TAPI API		1				V	V	V	V	V	V	V	Ż	V	Ż	V	
LDAP Directory Integration API	-		1			Ż	Ż	Ż	V	Ż	Ż	Ż	Ż	Ż	Ż	Ż	
SIP Line Messaging			1	\vdash		+	Ť	Ť	Ť	Ť	Ė	Ť	Ž	Ì	V	į	
WebDialer SOAP/HTTP API				1			-		+		V	V	J	V	V	J	
Application model	٦	J	1	J	al .						•	1	1	۸ ا	1	1	Supported on CCM 5.0 with Linux running on MCS 78x5. Supported on all CME platforms
Audible and Visual Indication of Ringing Line ▼	V	V	V	V	1	V	V	V	V	V	N	V	V	1	V	V	Supported on Colvi 3.0 with Linux furning on wice 70x3. Supported on all Civil platforms
Disable Audible/Visual Indication of Ringing Line	V	2/	1	1	2	√ √	2/	2/	1	2/	2/	2/	1	2/	V	2/	
Distinctive Ring (Internal vs. External Call) ▼	1	2/	1	V	2	√ √	2/	2/	2/	٧	٧	٧	V	٧	V	٧	
	V	v	V	v	٧	٧	٧	V	٧	./	-/	-/	-1	-1	V	-1	Interests with Distinctive Disc (Interest on Enterest Coll)
External vs. Internal Trunk Designation	-	-		-			.,		.1	V.	V	√ √	V	./	'	./	Interacts with Distinctive Ring (Internal vs. External Call)
Distinctive Ring Per Line		-	-	-	-	V	V	V	ν,	V	ν,	· ·	V	N	1	1	
User Configurable Ring Settings ▼	ν	ν	٧	√	٧	1	V	V	٧	V	٧	1	1	ν,	1	V	
User Configurable Ring Settings via User Options Web Page	,,,,,,					<i>√</i>	√ 	√ 	√ 	\ 	√	√	√	√	ν ••••••	√ 00000	
Audio and Video Codec Support ▼																	
G.711a	√	٧	٧	√	٧	√,	√	٧	1	٧	٧	٧	٧	٧	٧	V	
G.711u	٧	٧	√	√	V	√	√	√,	٧,	٧,	٧,	٧,	√,	٧,	٧	٧,	
G.722								√	√	V	√	√	√	٧	1	٧	
G.722.1						ш,		Ι.,	1		L,	,	,		L,	١,,	
G.723						√	√	√,	√,	√,	√,	√,	√,	√,	٧,	٧	
G.728								√	√	V	√	√	√	√	٧	√	
G.729a	√	√	√	√	$\sqrt{}$	√	√	√	√	√	√	√	√	√	V	√	
G.729b	√		√	\checkmark	$\sqrt{}$			\checkmark			$\sqrt{}$		\checkmark	$\sqrt{}$	$\sqrt{}$	\checkmark	
G.729ab	√		√	\checkmark	$\sqrt{}$			\checkmark			$\sqrt{}$		\checkmark	$\sqrt{}$	$\sqrt{}$	\checkmark	
Cisco Wideband Audio Codec (16-bit/16Khz)								\checkmark			$\sqrt{}$		\checkmark	$\sqrt{}$	$\sqrt{}$	\checkmark	Supported only on 7910, 7940, 7960, 7970, 7971
Wideband Advanced Audio Codec (AAC)														\checkmark	$\sqrt{}$	√	
H.261											$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	V	1		Supported only on H.323 and SCCP devices
H.263								V	V	\checkmark	V	V	V	V	1	V	Supported only on H.323 and SCCP devices
H.264										V	$\sqrt{}$	V	$\sqrt{}$	V	1	V	Supported only on SCCP devices
iLBC (internet Low Bandwidth Codec)															V	1	Only supported on 7906, 7911, 7921, 7931
Cisco Wideband Video Codec (7Mbps)								√	V	V	$\sqrt{}$	$\sqrt{}$	\checkmark	$\sqrt{}$	1	1	Supported only on Cisco VT Advantage endpoints
Authentication/Encryption ▼																	
Administration Web Page Authentication ▼	V	V	V	1	V	V	V	V	V	V	V	7		1	V	V	CME Enabling HTTPS disables Phone Directory Features
Multi-Level Administration (MLA)	√	1	V	V	$\sqrt{}$	V	√	V	V	$\sqrt{}$	V	V	V	V	V	1	CME ML Admin support available via Third Party
MLA Intrusion Detection and Notification									1	1		V			1	V	CME ML Admin support available via Third Party
User Options Web Page Authentication	√	1	V	1	$\sqrt{}$	√	√	V	1	V	V	V	V	V	V	V	
Web Page Encryption (HTTPs)	Ż	V	Ż	Ì	V		1	Ť	Ė	V	V	V	Ż	V	Ż	V	
LDAP over SSL		÷	Ť	Ť	Ė	\vdash	+		T	V	Ż	V	Ž	Ž	V	Ì	
Extension Mobility Username/ PIN Authentication		1	+	+-	-/			1.1		Li	i.i	i.	ù	÷	ij	1.)	

CCM & CME Feature Descriptions Matrix	S. Cu	CI	Ch		33/0	32.8	0 8	238	S.	, R	350	3/5/	26.0	200			This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is
EDCS-484313 Revision 2.2	الأذن إد	. PO	(A)	(S.	1/8	٣	K.	Ź.	₹'	Ø 1	& .	χ,	প্'	Κ,	X	\mathcal{I}	supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
Communication Manager Feature Name						/ '	\ \	\ \						\ \	\		Notes/ Restrictions
JTAPI/TAPI/CTI application security													V	V	V	V	Notes/ Nestrotions
SQL Database Access Authentication ▼						V	V	V	V	V	V	V	v	Ż	V	į	
Windows Integrated Authentication for SQL Database Access							+	j	ý	j	J	j	J	J	J	J	
TFTP Directory Access Restrictions	V	V	V	V	V	V	V	J	J	J	J	J	J	j	V	Ż	
Phone File Authentication ▼	<u>'</u>	· ·	'	<u>'</u>	<u> </u>	V	Ž	J	J	j	J	J	J	J	V	Ż	
Signed Firmware Loads	V	V	V	V	V	Ż	Ž	J	J	J	J	J	J	Ż	V	Ż	CME Optional support for signed phone loads
Signed Configuration Files	<u>'</u>	<u> </u>	į	j	V	Ť	+	į	Ż	V	V	J	Ì	V	į	Ż	ONE Optional support for signed priorie loads
Device Authentication/Encryption ▼																	
· ·	<i></i>		000000														Available only on 7970, 7971 in CCM 4.0, support added for 7940, 7960, 7911, 7941, 7961 in 4.1(
Signaling Authentication (phone)			√	V	√			√	√	√	√	√	√	√	√	√	and CME4.0
Signaling Encryption (phone)			√	√	√			√	V	V	$\sqrt{}$	√	V	V	√	√	Available only on 7970, 7971 in CCM 4.0, support added for 7940, 7960, 7911, 7941, 7961 in 4.1(and CME4.0
Signaling Encryption (gateway)				\checkmark	V			V	V		\checkmark	$\sqrt{}$	\checkmark		V	√	Available only on 7970, 7971 in CCM 4.0, support added for 7940, 7960, 7911, 7941, 7961 in 4.1(
Media Encryption SRTP (phone)	1				V			V	V	V		V	\checkmark			V	Available only on 7970, 7971 in CCM 4.0, support added for 7940, 7960, 7911, 7941, 7961 in 4.1(
Media Encryption SRTP (gateway)				V	V			V	V	V	V	V	√	V	V	V	Available only on 7970, 7971 in CCM 4.0, support added for 7940, 7960, 7911, 7941, 7961 in 4.1(
Visual Indication of Device Authentication/ Encryption			V	V	V			V	V	V	√	V	V	V	V	V	Available only on 7970, 7971 in CCM 4.0, support added for 7940, 7960, 7911, 7941, 7961 in 4.1() and CME4.0
SIP based Authentication	1						1	T					V	V	1	√	
Auto-Answer ▼																	
Auto-Answer to Headset (with Zip Tone)	,,,,,,,,		V		V	V	7	7	V		V	V	V	V	1	V	
Auto-Answer to Speakerphone (hands-free Intercom)	V	√	1	V	V	√	V	V	V	V	V	V	V	V	1	√	Supported only on 7940, 7960, 7970 and 7971 IP Phone models
								T									
Automated Change Notification/ Database Replication	1					√	√	V	V	V	V	$\sqrt{}$	V	√	1	√	
Automated Installation and Recovery ▼	V	√	V	V	V	√	V	V	V	V	V	V	V	V	1	√	
Cisco IP Telephony Applications Backup Utility																	
Cisco IP Telephony Backup and Restore System (BARS)						√	V	V	V	V	V	$\sqrt{}$	1	V	1	√	
Automated System-Wide Software and Feature Upgrades	1					√	V	V	V	V	V	√	1	√	1	√	
Automatic Alternate Routing (AAR) and Automatic Route Selection (ARS) for off net calls ▼	. 1	J	V	V	V	V	V	J	V	V	V	V	J	V	V	V	
AAR for on-net (site-to-site) calls	· ·	· ·	٧	•	٧	V	1	1	1	1	1	1	1	1	1	V	
AAR support for Hunt Pilot						<u>'</u>	<u> </u>	· ·	<u> </u>	,	1	1	1	1	1	V	
Automatic Attenuation/Gain Adjustment	1	V	1	V	V	1	1	1	1/	V	1	1	1	1	1	1	
Automatic Bandwidth Selection	Ż	J	V	J	Ż	V	Ż	J	Ż	Ż	j	Ż	J	J	Ž	Ż	
Automatic Bandwidth Selection Automatic Number Identification (ANI)	V	J	1	J	Ż	V	Ż	J	Ż	Ż	j	Ż	J	J	Ž	V	
Auto-Registration	Ż	Ż	V	V	V	Ĵ	V	J	1	V	Ż	V	V	V	J	J	
Barge ▼																	
Barge		X///////		0(//////		<i>((1)</i>			<i>1911111</i>	<i>00000</i>	<i>y</i> //////	<i></i>	<i>\(\lambda\)</i>	<i>miiii</i>	<i>mun</i>	<i>1110</i>	
Barge (Single Button or Single Button Join)	\vdash				 	H	+	+	Ť	1	Ť	+	H	1	+	Ž	
Broadcast Paging/ Group Paging	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	Ţ	CME Native Support. CCM Support only through external 3rd-party solutions
Busy Lamp Field (BLF)/Fast Transfer	V	V	1	V	Ż	H	+	+	+	÷	÷	Ť	Ż	į	V	1	See Also Presence
Call Admission Control (CAC) ▼	ť	†	Ė	Ť	†	V	V	V	V	V	V	V	Ž	V	V	V	
Locations Based CAC		\vdash				V	Ż	V	v	Ż	Ż	Ż	Ż	V	V	V	
RSVP Admission CAC	1	H				+	+	+	ť	†	÷	'	V	V	Ż	Ì	
Call Back ▼	V	V	V	V	V	1	√	V	V	1	V	V	V	V	Ż	Ì	Supported only on 7905, 7912, 7920, 7940, 7960, 7970 and 7971 IP Phone models
Call Back over Q.SIG trunks (i.e. Call Completion)	Ť	Ė	Ė	Ė	Ė	Η.	+	+	ť	V	V	V	V	V	Ż	Ì	Supported only on 7905, 7912, 7920, 7940, 7960, 7970 and 7971 IP Phone models
Call Back on VG224	1				\vdash		-	\dagger	T	Ė	Ė	Ť	Ė	÷	Ť	Ż	
Call Back on VG224 Call Coverage ▼																	
Using Call Forward Busy (CFA), Call Forward No Answer (CFNA)	<i>1111111</i>	<i>\(\text{\tin}\text{\tint{\text{\tett{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\texi{\text{\ti}}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}}\tittt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\titt{\text{\texi}\titt{\text{\text{\text{\titil\titt{\text{\texi}\text{\text{\texi{\texi{\texi{\texi{\texi}\titt{\titt{\titt{\titit}\titt{\titt{\titt{\titt{\titit}\t</i>	<i>\(\text{\tin}\text{\tin}\text{\ti}}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}}\tittt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\titt{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi{\text{\texi}\text{\text{\texi}\text{\texi}\texi{\texi{\texi{\texi{\texi{\texi{\tet</i>	<i>\(\lambda{\text{III}}\)</i>	<i>\(\text{\text{IIIIII}}\)</i>	//////////////////////////////////////				<i>MIIIII</i>	<i>MIIIII</i>		<i>VIIIII</i>	<i>10111111</i>			

COM & CME Footure Department Matrix	Ch C	20	3	1/	ن/دو	3 8	B	N.	R	R	55	15.	60	6,	\		This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is
CCM & CME Feature Descriptions Matrix EDCS-484313 Revision 2.2	3,70	K. Y.	K Z	K. F.	(S)	<i>\$6</i> /	Q\	₹\(₹\(₹\@	\$\ %	\$X		ŽX	Ź\		supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
	10/1		/	1													Notes/ Restrictions
Communication Manager Feature Name						1	1			1	2		1	2	2		Notes/ Restrictions
Using TCD Hunt Groups	- 1	-1	./	-1	./	V	٧	N.	V.	N N	-V	N a/	-/	N A	N.	√ ./	
Using Native Hunt Groups	V	ν	ν	γ	ν		-	ν	ν	N.	./	N ./	. J	./	N ./	1	
Per-User Enhanced Call Coverage Paths		-								ν	ν	ν	٧	√	Ŋ	1	
Immediate divert mailbox selection		,	,	,	,	-	,	,	,	,	,	,	_	٧	γ	1	Mailbox selection for forwarded using Immediate divert
Call Forwarding ▼	٧	٧	٧	٧	٧	V	V	٧	٧	`	1	ν,	1	V	7	√	
Call Forward All (CFA)	٧	1	٧	V	٧	√	√	٧	٧	√	٧	٧	1	٧	٧	1	
Secondary calling search space to block CFA to specific numbers		ļ.,	,	,	Ι,		,	,	,	,	,	,	٧	√	٧	1	
Call Forward Busy (CFB) ▼	√,	1	√	٧	٧	٧	√	٧	٧	٧	٧	٧	1	1	٧	1	
Per-Line Configurable Call Forward Busy Trigger	√	٧.	٧	٧	٧,	,	,	V	٧,	٧,	٧	٧,	1	1	٧	1	
Call Forward No Answer (CFNA) ▼	√.	1	√	√	√	√	V	V	٧	√	٧	٧	٧	٧.	٧	√	
Per-Line Configurable Ring No Answer Timeout	√.	√	√	√	√		ļ.,	V	√	√.	√	√,	1	√	1	√	
Call Forward Number Expansion to Voicemail	√	√	√	V	√	√	√	√	٧	√.	1	٧.	√	1	٧	1	
Call Forward Reason Codes to Voicemail	√	$\sqrt{}$	$\sqrt{}$	\checkmark	$\sqrt{}$	√	$\sqrt{}$	\checkmark	1	$\sqrt{}$	1	$\sqrt{}$	1	1	$\sqrt{}$		
Call Forward on Failure (CFOF)	\checkmark			$\sqrt{}$	$\sqrt{}$	V		$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$	
Call Forward on Unregistered												\checkmark				\checkmark	
Call Forward on No bandwidth						V	V	\checkmark	\checkmark	\checkmark	√	$\sqrt{}$	1	√	$\sqrt{}$	\checkmark	See also AAR
Call Forward All Override															$\sqrt{}$	\checkmark	Supported only on 7906, 7911, 7940, 7941, 7960, 7961, 7970 and 7971 IP Phone models
Call Park ▼	√	V	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	\checkmark	1	$\sqrt{}$	1	V	$\sqrt{}$	$\sqrt{}$	
Directed Call Park												$\sqrt{}$			$\sqrt{}$	V	
Directed Call Park BLF/Speed Dial				$\sqrt{}$	$\sqrt{}$							$\sqrt{}$			$\sqrt{}$	V	
Call Pickup (PickUp) and Group Call Pickup (GPickUp) ▼	√	V	√	V	$\sqrt{}$	√	V	V	√	$\sqrt{}$	√	V	V	V	1	V	
Single button Call Pickup		Ť	Ė		Ė		Ė	Ė			V	V	Ī	V	V	V	
Call Pickup Notification		1										V			V	V	
Call Preservation	V	V	√	V	$\sqrt{}$	V	V	V	V	V	√	V	V	V	V	1	
Call Recording		ť	Ė	Ľ.	H	+	Ė	Ė	<u> </u>	,		i l		<u> </u>	V	V	Available only on Agent/Supervisor Desktop
Call Monitoring		\vdash													Ż	Ż	Must use 3rd party app through SIP trunk to record
		+	1			+	1	1							Ė	r i	Supported only on 7905, 7910, 7912, 7920, 7935, 7936, 7940, 7960, 7970 and 7971 IP Phone
Call Status per Line	√	√	√	√	$\sqrt{}$	√	√	√	√	√	√	√	√	√	√.	√	models
Call Waiting/Call Retrieve per Line ▼	√	√	\checkmark	\checkmark	\checkmark	√	√	√	√	\checkmark	√	√	√	√	√	√	
Consecutive Call Waiting/Alerting per Line									$\sqrt{}$	$\sqrt{}$	√	$\sqrt{}$	√	\checkmark	$\sqrt{}$	$\sqrt{}$	
Calling Line Identification (CLID) ▼	$\sqrt{}$	$\sqrt{}$		\checkmark	$\sqrt{}$				$\sqrt{}$	$\sqrt{}$	√	$\sqrt{}$	√	\checkmark	$\sqrt{}$	$\sqrt{}$	
Call-by-Call Calling Line ID Restriction (CLIR)	√		V	V	V	V	V	V	V	\checkmark	V	$\sqrt{}$	V	V	V		Supported only on MGCP PRI trunks in 3.3(2), supported on MGCP PRI, H.323 and SIP trunks in 4.0(1) and above
Per-Phone Call Display Restrictions										$\sqrt{}$	V	V	V	V	V	V	
Calling Name Identification (CNID ▼	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√		$\sqrt{}$	V	$\sqrt{}$	V	$\sqrt{}$	√	V	$\sqrt{}$	V	
CNID over Q.931 Facility Information Element						V	V			$\sqrt{}$	1	V	1	V	V	V	
Centralized System Administration, Monitoring and Reporting ▼	√	V	V	V	$\sqrt{}$	V	V	V	V	V	V	V	Ī	V	V	V	CME Centralized Provisioning/Monitoring available from Third Parties
Cisco CallManager Serviceability Tools		Ė	Ė	Ė		Ż	ż	Ì	ż	Ì	j	Ì	j	Ż	Ż	Ż	
Bulk Administration Tool (BAT) ▼		I			+	Ż	Ż	Ż	Ì	į	i	į l	j	Ì	į	V	
Bulk Device Export Utility		1	1		\vdash	J	j	j	j	į	j	j	j	j	j	j	
Bulk device update		1				+	1	<u> </u>	J	j	J	j	j	J	j	V	
Bulk device import		+	1		H	√	V	V	V	V	1	1	J	J	j	1	
Bulk System Export Utility		+	1		\vdash	٧	٧	٠	٧	٧	٧	٧	٧	٧	1	V	
	- 1	2/	a/	2/	2/	V	2/	2	2/	<i>1</i>	2/	2/	٦/	2/	2	V	
Syslog Support for Debugging Output	V	V	٧	٧	٧	<u>-</u> -	2/	N N	2/	2/	N N	2/	<u>۷</u>	2/	N N	•	
Device Pools		<u> </u>	1		\vdash	√ ./	V	V	V	./	./	N.	./	./	N ./	1	
Device Search Filtering Criteria		 	<u> </u>			√	٧	٧	٧	٧	٧	ν,	٧	√	٧	1	
External Route Plan Wizard		1	<u> </u>	_	\sqcup	V	٧	٧	٧	٧	٧	٧,	٧	٧	٧	1	
Integrated HTTPD Server on IP Phones and Gateways		<u> </u>	<u> </u>			√	٧,	٧	٧	٧,	٧	٧,	٧	٧	٧	1	
Performance Monitoring and Alarms		<u></u>				√	V	٧	√	√	٧	V	1	٧	√	√	

CCM & CME Feature Descriptions Matrix EDCS-484313 Revision 2.2	CME 3.3	Ch. S.	CAR A	The state of	33.3		200				3.0	\$5.57 \$5.57	£04.	6.7		\	This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
Communication Manager Feature Name				, ,													Notes/ Restrictions
Quality Reporting Tool (QRT)						√	V	V	1	1	V	V	V	√		V	
Call Detail Records (CDR) and Call Management Records (CMR) ▼	V	1	V	V	V	1	V	1	V	1	V	V	V	V	1	1	
Single CDR Repository per CallManager Cluster or Radius for CME	V	V	V	\checkmark		V	V	V	V		\checkmark		\checkmark	V		$\sqrt{}$	
Administrative Reporting Tool (ART)																	
CDR Analysis and Reporting Tool (CAR)						V	V	V	V		\checkmark		\checkmark	V		$\sqrt{}$	ART was enhanced and renamed to CAR in release 3.2
System Event Reporting	V	V	V	\checkmark		V	V	V	V		\checkmark		\checkmark	V		$\sqrt{}$	
Zero Cost Automated Phone Moves	√	1	V	V	V	V	V	V	V	V	$\sqrt{}$	V	V	V	$\sqrt{}$	1	
Zero Cost Automated Phone Adds	√	1	V	V	V	V	V	V	V	V	$\sqrt{}$	V	V	V	$\sqrt{}$	1	
Cisco ATA-186 2-Port Analog Gateway Support	√	V	V	V	V	√	V	V	V	V	V	V	V	V	V	V	
Cisco Attendant Console/WebAttendant ▼						V	√	V	V	V	V	V	V	√	√	√	WebAttendant renamed to Cisco Attendant Console and compatible with CallManager release 3.1(2c) and above
Longest Idle Support						V	V	V	V	$\sqrt{}$	V	V	V	V	V	V	
Pop-to-Top on New Call					1	V	V	V	V	V	V	V	V	V	V	V	
Accessibility Enhancements			1	T	T		Ť	Ť	Ť	√	V	V	V	V	V	V	
Third party Attendant Console for CME/CM	V	V	V	V	√	V	V	V	V	V	V	V	V	V	V	V	Solution Plus ARC Console
Cisco Conference Connection (CCC) Support	<u> </u>	Ė	Ť	Ė	†	Ż	V	V	v	V	V	V	V		V	V	
Cisco Discovery Protocol (CDP) Support	V	V	V	V	V	Ż	V	V	V	V	V	V	V	1	V	V	
Cisco Emergency Responder (CER) Support		Ė	Ť	Ė	Ė	Ż	Ż	Ż	Ż	V	Ż	v	Ì	Ż	V	Ż	
Cisco IP Automated Attendant (IP AA) Support			+	1	1	Ż	Ż	Ż	Ż	v	Ż	Ż	Ż	J	v	V	
Cisco IP Integrated Contact Distribution (IP ICD) Support (IPCC Express)			+	1	V	Ż	Ż	Ż	Ż	v	Ż	Ż	ż	J	J	V	
Cisco IP Phone 79xx Models ▼		X/////															
Cisco IP Phone 3911				<i>NIIIII</i>	<i>NIIIII</i>											<i>√</i>	
Cisco IP Phone 3951	-			V	1		+								√	1	AsiaPAC phone only
Cisco IP Phone 7902	2/	1	1	1	2	2/	2/	2/	2/	2/	2/	2/	2	٦/	√ √	2/	rotal rice provide only
Cisco IP Phone 7902 Cisco IP Phone 7905	1	V	1	V	N N	√ √	2/	2/	N 2/	2/	2/	V	N N	N N	V	V	
	V	٧	V	V	N N	٧	2/	V	N 2/	٧	V	V	1	N	√ √	V	CCM requires 5.0(1), 4.1(3)SR1, 3.3(5)SR1 or 4.0(2)SR2b
Cisco IP Phone 7906	2/	a/	V	N N	N N	-1	2/	-1	N 2/	-/	2/	a/	N N	N N	V	2/	Oom requires 6.6(1), 4.1(0)67(1, 6.6(0)61(1 of 4.6(2)61(26
Cisco IP Phone 7910 and 7910+SW	V	V	V V	N A	N	V	N A	V	N A	V	V	V	V	./	√ √	N A	CCM requires 5.0(1), 4.1(3)SR1, 3.3(5)SR1 or 4.0(2)SR2b
Cisco IP Phone 7911	V	-/	V V	N A	N	-1	N A	-/-	N A	-/	-/	-/	√ √	./	√ √	N A	Contrequires 3.0(1), 4.1(3)6(1), 5.3(3)6(1) of 4.0(2)6(2)
Cisco IP Phone 7912	7	N ./	-	N.	N.	1	./	. /	N	N	N	N.	÷	N ./	· ·	N	
Cisco IP Phone 7914 Expansion Module	./	N ./	٧	√	N.	1	./	. /	٧	N	N	N.	√	N ./	√ ./	N	
Cisco IP Phone 7920	ν	γ	ν	ν	٧	γ	ν	ν	γ	ν,	ν,	V	٧	7	ν,	ν,	
Cisco IP Phone 7921		<u> </u>		Ι,			_			V	٧	√	V	٧	٧	٧	
Cisco IP Phone 7931		<u></u>	1,	V	٧	Η,	Ψ,	Ι,	1,	1,	<u> </u>	,	_		√	V	
Cisco IP Phone 7940	٧	٧	٧	V	V	√	V	٧	٧	٧	٧	٧	1	٧	V	٧	OOM
Cisco IP Phone 7941 or 7941-GE		<u> </u>	√	√	٧		٧		٧	1	<u> </u>	<u> </u>	٧	٧	√	٧	CCM requires 5.0(1), 4.1(3)SR1, 3.3(5)SR1 or 4.0(2)SR2b
Cisco IP Phone 7942		<u> </u>	1	٧	٧		4		4_	1	<u> </u>	<u> </u>			٧	٧	
Cisco IP Phone 7945-GE	1,	Ļ.	1,	V	٧	Ц,	1,	Ι,	1,	1,	L,	Ι,	_	_	√	٧	
Cisco IP Phone 7960	٧	٧	٧	√	٧	√	٧	٧	٧	٧	٧	٧	٧	٧	√	٧	0014 5.0(4) 4.4(0)004 0.0(5)004 4.0(0)000
Cisco IP Phone 7961 or 7961-GE		<u> </u>	1	1	٧	Ц_	٧	1	٧	1	<u> </u>	<u> </u>	V	٧	√	٧	CCM requires 5.0(1), 4.1(3)SR1, 3.3(5)SR1 or 4.0(2)SR2b
Cisco IP Phone 7962		<u> </u>	1	1	√,				1	1	<u> </u>	<u> </u>			√	√	
Cisco IP Phone 7965-GE		L,	1	√	√	Щ.	1.	1.	1	<u> </u>	<u>L</u>	L,	Ц.		√,	√.	
Cisco IP Phone 7970	٧.	√	√	√	√	√	٧.	√.	٧.	٧,	√,	√,	V	٧	√	√.	
Cisco IP Phone 7971	√			1	√	√	√	√	1		√		√	√	√	√	
Cisco IP Phone 7975-GE				V	\checkmark										√	√	
Cisco IP Phone 7985 Videophone					$\sqrt{}$		$\sqrt{}$		1	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	1	√	√	$\sqrt{}$	
Cisco IP Conference Station 7935	V	$\sqrt{}$		\checkmark	$\sqrt{}$	V			$\sqrt{}$		$\sqrt{}$		$\sqrt{}$	1	\checkmark	$\sqrt{}$	
Cisco IP Conference Station 7936	V	$\sqrt{}$	V		$\sqrt{}$	V				$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	1	$\sqrt{}$		
Cisco IP Conference Station 7937																	
Cisco IP SoftPhone						√		1	V	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	V		$\sqrt{}$	

	100	20	20		ر دو	2 8	B	B	R	8	15	15	6	6	\		This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide,
CCM & CME Feature Descriptions Matrix	A AK				No services	₹ <u>`</u>	(V)	% \	(A)\((∂)√₹	3.6	37	2	(D)\	(b)		EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature
EDCS-484313 Revision 2.2	16.2/6	N S	2\X.	K. S.	2/ L	/ /	Ϊ,	\mathcal{I}	1		1		/		/	/	descriptions for each item.
Communication Manager Feature Name				' '				,						,			Notes/ Restrictions
Cisco IP Communicator			V				V		V						V	V	
Cisco IP Phone Productivity Applications (IPPA)			<u> </u>	Ť	Ť	V	V	V	V	V	V	V	V	V	V	V	
Cisco Personal Address Book				1		V	V	V	V	V	V	V	V	V	V	V	
Cisco Personal Assistant (PA) Support				1		V	V	V	V	V	V	V	V	V	V	V	
Cisco Security Agent Support				1		V	V	V	V	V	V	V	V	V	V	V	
Cisco VG248 48-Port Analog Gateway Support ▼				1		V	V	V	V	V	V	V	V	V	V	V	
SMDI Voicemail Integration through VG248 analog ports				1		√	V	V	√	V	√	V	V	V	V	V	
Cisco VG 224 24-Port Analog Gateway Support (SCCP)	√	V	V	√	V	ĦĖ				V	√	V	V	V	V	V	support for CCM 4.1(3) also
Click-to-Dial/ Click-to-Call ▼	√	V	V	1	V	√	√	V	√	V	√	V	V	√	V	V	
Cisco WebDialer Click-to-Dial Service				1		√	V	V	V	V	V	V	V	V	V	1	
Client Matter Codes (CMC)	V	V	V	V	V	V	V		Ť	V	V	V	1	√	V	V	CME account codes are non forced/verified
Closest-Match Routing	V	V	V	V	V	V	V	V	V	V	V	V	V	√	1	V	
Clustering ▼		Ť	1	Ť	1	V	V	V	V	V	V	V	V	√	1	V	
10,000 Devices Per Cluster		1	1	1	1	V	V	V	V	V	V	V	V	√	1	V	
30,000 Devices Per Cluster				1	1	V	1	V	V	V	V	V	1	√	1	√	
CoResidence ▼				1	1	V	V	V	V	V	V	V	1	V	V	V	
CallManager and Unity Connection															1	√	No Clustering capible. Stand-alone unit
Computer Telephony Integration (CTI) Support ▼	√	V	V	√	V	√	√	V	√	V	√	V	1	√	1	√	
CTI Manager Redundancy for TAPI/JTAPI applications				Ť		V	V	V	V	V	V	V	1	V	V	V	
JTAPI Control of Analog (FXS) Gateway Ports				1		V	V		Ť	V	V	V	1	V	V	V	
Configuration via Console(serial) port	√	V	V	√	V								1	V	1	√	
Configuration via Command Line Interface (CLI)	√	V	V	√	V								1	V	1	√	
Context-Sensitive Help (GUI Admin)	√	V	V	1	V	√	1	V	V	V	√	√	1	√	1	√	
Context-Sensitive Help (IP Phone I Button)							1	√	V	V	$\sqrt{}$	$\sqrt{}$	1	√	1	√	
Contrast	√	√	V	√	V	√	√	V	√	V	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√	1	√	
Data Migration Assistant(DMA)													$\sqrt{}$	√		√	
Date/Time Zone Display Format Configurable per Phone	√	√	V	√	V	√	√	V	√	V	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√	1	√	
Dial Plan Partitioning and Class of Restrictions	√	V	V	V	V	√	V	V	√	V	√	V		√		V	
Dialed Number Analyzer (DNA)						√	V	V	√	$\sqrt{}$	√	V		V		V	
Dialed Number Identification Service (DNIS) ▼	√	V	V	V	V	√	V	V	√	V	√	V		√		V	
Redirected Number Identification Service (RDNIS)	V	\checkmark	V	1	V	√	1		V	V	$\sqrt{}$	√		√	1	V	
Outbound RDNIS to H.323 Gateways	V	\checkmark	V	1	V	√	1		V	V	$\sqrt{}$	√		√	1	V	
Digit Analysis and Translation	√	\checkmark	V	\checkmark	$\sqrt{}$		V		\checkmark		\checkmark	\checkmark		\checkmark		V	
Digital Signal Processor (DSP) Resource Management ▼						V	1	V	1	\checkmark	1	$\sqrt{}$	1	1	1	1	
Distributed and Topologically-Aware Resource Sharing						1	V	V	1	V	1	$\sqrt{}$	V	V		√	
Direct Inward Dial (DID/DDI) Support	V	V	V		V	V	V	V	1	V	1	$\sqrt{}$	V	V	V	√	
Direct Outward Dial (DOD) Support	V	V	V	1	V	V	1	V	1	V	V	V	1	√	1	V	
Direct FXO Line Select	V	\checkmark	V	V	$\sqrt{}$												Allows for Key System Configuration
Directories ▼																	
Corporate Directory	V		V	V	V	√	V	1	V	1	$\sqrt{}$	V		V		V	
Personal Directory	V	V	V	1	V	V	1	V	1	V	V	√	1	√	1	V	
Missed Calls	V	V	V	1	\checkmark	V	1	V	V	V	٧		V	√	1	√	
Placed Calls	V	V	V	1	V	V	V	V	1	V	٧	V	V	√	1	√	
Received Calls	√	V	V	1	V	V	V	V	1	V	٧		V	V	1	√	
Intercom History					L					L					Ι	1	8.3.3ES3 removes Intercom History on phones
Distinctive Ringing per Line (Admin configurable)	V	V	V	1	\checkmark	V	V	1	1	V	٧	$\sqrt{}$	V	V	1	√	Admin control of ring type; Internal, external, call waiting
Distinctive Ring Tones per Line (User selectable)						V	V	1	V	$\sqrt{}$	٧	$\sqrt{}$	V	V	1	√	User control of ring tone/type per line. CME offers ring tone per phone
Do not Disturb (DND)			Î													V	
Dual-Tone Multi-Frequency (DTMF) Support ▼																	

CCM & CME Feature Descriptions Matrix	Sec. C	200	200		ريون	نخ کو د	O S	2 8	, R	18.5	350	\si	60	6	<i>'</i> /		This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is
EDCS-484313 Revision 2.2	(4) (4)	1/8/	(K. S.			1. S.	W.	Ø.	& A	<i></i> ₹%	ૐ∢	ZX	ZZ	Ø,	Q)		supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
Communication Manager Feature Name				/) '	\ \						\		\	\ \	Notes/ Restrictions
SCCP Out of Band	V	V	V	V	V	V	N	V	1	N	1	N	V	3/	V	V	Notes Restrotions
MGCP Out of Band	· ·	· ·	١	· ·	,	1	1	1	1	1	1	J	1	1	1	1	
TAPI/JTAPI Out of Band		-		1		V	2/	2/	2/	2/	2/	2/	1	2/	1	2/	
H.323 H.245 Alpha-Numeric Out of Band	2/	2/	2/	2/	2/	Ž	2/	2/	2/	2	2/	2/	1	2/	1	1	
1	\ \ \	1	V	7	2/	V	- V	N N	N	2/	N 2/	2/	N	2/	N N	V	Requires a Media Termination Point (MTP) for every SIP call
SIP RFC2833 Inband	- V	1	V	7	·/	V	-1	N .	N A	N al	N al	N a/	N.	N a/	N N	√ √	Trequires a media Termination Folia (MTT) for every on oan
Dynamic Host Configuration Protocol (DHCP) Support	V V	N .	V V	N .	V .	V	N A	N .	N .	N a/	-/	N .	N.	N a/	N N	√ √	
Emergency 911 (E911) Support	V V	V	-	./	./		./	./	./	N.	./	./	./	N.	N.	_	
EndCall	- '	- '-	V	7	V	V	7	7	γ,	7	N	Ŋ	7	7	7	1	
eXtensible Markup Language (XML) Support ▼	V	٧	٧	٧	٧	V	٧	Ŋ	ν,	Ŋ	Ŋ	Ŋ	7	٧	V	V	
XML Tag Enhancements	٧	٧	٧	٧	√	√	ν	V	γ	γ	٧	γ	٧	γ	٧	٧	
Assigning an XML Service to a Line Button		<u> </u>	-	<u> </u>	1	Н,	Ι,	٧	٧	٧	٧	٧	٧	٧	٧	V	
Extension Mobility ▼		₩		<u> </u>	1	V	٧,	٧	٧,	٧	٧	ν,	√	٧	٧	√	
Native Extension Mobility		1	1	<u> </u>	1	V	٧	٧	٧	٧	٧	٧,	٧	٧	٧	√	
Extension Mobility Support of 7905, 7912, 7970 and CIPC		1_	1	<u> </u>	1	V	٧,	1_	1	٧,	٧	٧,	٧	1	٧,	1	
Extension Mobility Device equivolency				<u> </u>		V	٧.	1	<u> </u>	√,	٧	٧.	1	√	√	V	
Extension Assigner/CM TAPS			√	٧		√	٧	٧	٧	√	٧	٧					
FAX/Modem over IP Support ▼																	
Fax Pass-Through	√		√				√			$\sqrt{}$	\checkmark	\checkmark	V	√	√	√	
Cisco Fax-Relay	√	√	V	\checkmark	\checkmark	$^{\vee}$	\checkmark	√	\checkmark	\checkmark	\checkmark	\checkmark	1	\checkmark	1	\checkmark	
T.38 Fax-Relay	√	√	V	\checkmark	\checkmark					\checkmark	\checkmark	\checkmark	1	\checkmark	1	\checkmark	Supported only on H.323 gateways
Modem Pass-Through	V	1	1	1	V	1	V	1	1	1	V	V	1	V	1	V	
Cisco Modem-Relay	V	1	1	1	V	1	V	1	1	1	V	V	1	V	1	V	
SIP T.38															1	V	
MGCP T.38															1	√	
Forced Authentication Codes (FAC)	√	\checkmark	V	\checkmark	\checkmark		V			$\sqrt{}$	\checkmark	\checkmark	V	V	1	√	Implemented on CME via TCL script
Foreign eXchange Office (FXO)/Foreign eXchange Station (FXS)	√	V	V	V	V	√	V	V	V	V	V	V	V	V	1	√	
H.323 Support ▼	√	V	V	V	V	√	V	V	V	V	V	V	V	V	1	√	
H.323 Gatekeeper Support	√	V	V	V	V	1	V	V	V	V	V	V	1	V	1	√	
Multiple Gatekeepers per CallManager Cluster						√	V	√	V	V	$\sqrt{}$	V	V	√	1	√	
1,000 H.323 Calls per Node						V	V	V	V	V	V	V	1	V	1	√	
H.323 Trunks and Scalability Improvements						V	V	V	V	V	V	V	V	V	1	V	
H.323 Videoconferencing Support						ĦĖ	Ť	V	V	V	V	V	J	V	Ż	V	
H.323 FastStart Signaling Support ▼		┪	1		1	H	+	Ż	Ż	Ż	V	Ż	V	V	Ż	Ż	
Inbound FastStart	V	1	V	1	V	H	+	Ż	Ż	V	Ż	Ż	Ì	Ì	Ì	Ì	
Outbound FastStart	V	V	V	V	Ż	+	+	Ť	+	Ż	v	Ż	J	V	Ż	V	
H.450 Support	V	ij	V	ij	Ż	H	+	+	+	Ė	Ė	Ė	•	+	+	Ť	
Hands-Free Speakerphone (SPKR) Support	V	V	V	1	V	V	7	V	V	V	V	V	V	V	7	√	
Hold/Resume ▼	1	1	V	7	V	V	2/	2	v V	J	1	V	7	1	V	V	
Music on Hold	1	2	1	1	V	1	2/	2	v V	J	1	V	1	1	1	۷	CME MoH external callers only
Tone on Hold	V V	٧ √	1	1	1	1	3/	1	1	v 2	1	7	1	7	1	1	CME TOH Internal callers only
	٧	V	V	V	٧	H	· v	V	· ·	٧	٧	2/	٧	٧	√ √	\ √	one for mondification only
Hold Reversion\Notification	- 1	12/	2/	2/	2/	1	√	12/	2/	1	2/	V	2	V	√ √	_	
Hookflash/Hookflash Transfer ▼	- N	N a/	V	7	V.	√ √	\ √	N a/	N 2	N N	N N	N N	√ √	V	./	√ √	
Inbound Hookflash/Hookflash Transfer on Analog Ports	N .	1	<u> </u>	٠,	V		+-	N	N A	N a/	V	N a/	·	٠,	V		CCM Support only on MCCP controlled EVO Trunks, CME on H 222 EVO Trunks
Outbound Hookflash/Hookflash Transfer on Analog Trunks	V	٧	٧	٧	٧	1	1	٧	٧	٧	N	N.	V	1	V	1	CCM Support only on MGCP-controlled FXO Trunks, CME on H.323 FXO Trunks
Inbound Hookflash Transfer on Digital Trunks		<u> </u>	-	<u> </u>	1	√	٧	<u> </u>	4	√	٧	٧	√	V	٧	√	Supported only non-IOS MGCP-controlled T1-CAS Trunks (6608)
Inbound Hookflash Transfer on Digital Trunks		١,	1,	Ι,	Ι,	1		1_	—	<u> </u>		٧		1	٧	√	Supported on IOS MGCP-controlled T1-CAS Trunks
Hookflash from IP Phone to FXO Trunk to dial Centrex Features	√ 	√ 	√ 	√ ••••••	√ 						,,,,,,,,		,,,,,,,	00000			
Hunt Groups ▼																	
Longest-Idle Hunting	I√									\checkmark	\checkmark		\checkmark				

CCM & CME Feature Descriptions Matrix EDCS-484313 Revision 2.2	CAR CAR	CAR	WK S	ME Z.	33.3		017			3 2	3.0	5.7	50			\	This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature
	13.3	. X /	0/:	<i>Z\</i> ```	3//					$\overline{}$	$\overline{}$	$\overline{}$		\mathcal{L}			descriptions for each item.
Communication Manager Feature Name																	Notes/ Restrictions
Broadcast Hunting		٧		1,				٧	٧	٧	٧	٧,	7	٧	٧	٧	Broadcast hunt supported in CME 3.4 with SIP endpoints only
Queuing	V	V	√.	V	√	Ш.	1.	٧	٧	V	V	٧.	√	٧	1	√	CCM TCD Feature. CME B-ACD Call Handling.
Sequential	V	V	√.	V	√	√	V	٧	٧	V	V	٧.	√	٧	1	1	
Circular	V	√	√	√	√			√	√	\checkmark	√	V	√	√	1	√	
Native Hunt Groups (CCM TCD Server not Required)								√	√	\checkmark	\checkmark	\checkmark	√	$\sqrt{}$		√	
AAR support for Hunt Pilot											\checkmark	\checkmark	√	$\sqrt{}$	1	√	
Hung group logout			\checkmark	√	√							\checkmark			1	√	
nline Power ▼	V	√	\checkmark	√	√	√	√	$\sqrt{}$	$\sqrt{}$	\checkmark	\checkmark	\checkmark	√		1	√	
IEEE 802.3af Power over Ethernet (PoE)		V	√		V	√	V	V	V	V	V	$\sqrt{}$	√		V	\checkmark	Support for 802.3af PoE on the phones does not depend on a particular release of CallManager
ntercom ▼																	
Intercom (w/ whisper)			ॻ			Ш										1	EM Profile Intercom supported added 6.1(1)
nternationalization/Localization ▼																	
Asian Language(double-byte unicode)			V	V	V		\mathbf{I}^{-}						7	$\sqrt{}$	$\sqrt{}$	V	Supported on 7911G, 7941G, 7961G, 7970G with CCM 5.0 and CME 4.0
Arabic Language (right to left)														$\sqrt{}$	$\sqrt{}$	V	Supported on 7906, 7911, 7941, 7961, 7970, 7971
Hebrew Language																1	
Globalization of Cisco IP Phone 79xx Series	√	√	√	1	V	1	V	V	V	$\sqrt{}$	V	$\sqrt{}$	V	$\sqrt{}$	1	1	The Globalization of the phones does not depend on a particular release of CallManager
Configurable User and Network Locales	V	V	√	1	V	√	V	V	V	\checkmark	V	\checkmark	V	V	1	V	
Downloadable User and Network Locales			√	1	V	√	V	V	V	\checkmark	V	\checkmark	V	V	1	V	
International Dial Plan						1	V	V	V	$\sqrt{}$	V	\checkmark	V	V	1	V	
OS Command Line Configuration	V	√	√	V	V												
SDN Basic Rate Interface (BRI) Support ▼						X//X ///									XIIII		
H.323-Controlled ISDN BRI	V	V		7	V	T 1	<i></i>	1	V			V	V	7	V	1	
MGCP-Controlled ISDN BRI		Ť	Ť	Ť		tt	Ť	<u> </u>		V	V	V	V	V	V	V	
SIP-Controlled ISDN BRI	V	V	√	1	V	tt		V	V	V	V	V	V	V	V	V	
loin (same line)		Ť	Ť	Ť		tt		V	V	V	V	V	V	V	V	V	
Ion Across Lines (JAL)						tt		<u> </u>				Ė			Ť	V	
east-Cost Routing (LCR)	V	V	√	1	V	V	V	V	V	V	V	V	V	V	V	V	
License Compliance ▼		Ť	Ť	Ť		tt	Ť	<u> </u>		Ė		Ė	V	V	V	V	
Application License		-	-	+		11	+						Ì	Ż	Ż	Ż	
Device License		-	-	+		11	+						Ì	Ż	Ż	Ż	
Cisco Unified Workplace Licensing (CUWL)		_		+		tt							Ť	Ė	Ė	V	
ight-Weight Directory Access Protocol (LDAP) Support ▼	-	-	+	+	+-	V	V	V	1	V	V	V	V	V	V	V	
External LDAP Directory Integration Support	-	-	-	-	+	Ž	V	Ż	V	V	V	į	_	Ť	Ť	Ť	Schema Extension
External LDAP Directory Integration Support	-	-	-	-	+	HŤ	+	+`-	Ť	_	<u>'</u>	Ė	V	V	V	V	User loading/LDAP used as authenication point
Line	V	V	V	V	V	V	V	V	V	V	V	V	Ž	V	V	V	,
Multiple Line Appearances per Phone	V	V	V	Ì	į	Ż	V	V	V	V	v	V	V	V	V	V	+
Multiple Directory Numbers per line/button	1	Ż	V	v	Ż	HŤ	+	+`-	Ť	<u> </u>	<u>'</u>	Ė	_	Ť	Ť	Ť	
Multiple Calls per Line	V	J	V	Ż	Ż	+	+	V	V	V	V	V	V	V	V	1	CME Support is 2 calls per DN
Select Specified Line Appearance	V	Ž	1	V	Ż	V	V	Ż	Ż	į	į	Ż	ż	V	j	V	in the state of th
Shared/Bridged Line Appearances	V	Ž	1	V	V	V	V	Ż	Ż	į	į	Ż	Ī	į	j	1	
Multiple Calls per Shared Line	1	J	1	J	V	H	-	J	Ż	V	V	V	Ì	V	J	V	
Privacy	V	Ž	1	J	V	H	+	V	Ż	V	V	V	Ī	V	J	V	
Configurable Call Forward Busy Trigger per Line Appearance	√ √	1	√ √	1	V	+	+	V	V	V	V	V	\ \	V	V	V	
	· · · · · · · · · · · · · · · · · · ·	- 1	٧	-	٧	H	-	1	1	v √	1	ν √	1	1	1	\ √	
IPMA Support for Shared Line Appearances	- 1	V	V	V	2/	H	+	1	2/	2/	2	2/	<u>۷</u>	1	1	\ √	
Unaccianed Directors Numbers	γ	·V	'V	٧	٧	Щ.		٧	٧	٧	٧	٧	٧	V	٧	- i	
Unassigned Directory Numbers	i i				- 1	1 1	2/	- 1	2/	2/	2	1.4	2/	- 1	- 1	- 1	
Unassigned Directory Numbers Manager-Assistant Services ▼ IPMA Support on Cisco IP Phone 7940		+				√ √	√ √	V	√ √	√ √	√ √	√ √	√ √	√ √	1	√ √	

	2/2	/ 2	\ \ \	1	. /c		12	12	(-	-	12.	12.1	· 6	10	\		This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide,
CCM & CME Feature Descriptions Matrix	4/2/	1/2/1					23.5	%	3 37	} ∀	3.9	3.7	2.9	?>``\			EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is
EDCS-484313 Revision 2.2	3/32	ME S.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		1/3	(?	K.	Κ,	×,	<i>₹ '</i>	<i>₹`</i>	<i>?\</i>	ζ,	Ϋ,	Ý.		supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
Communication Manager Feature Name						/ /	\ \								\	\ '	Notes/ Restrictions
					2		2				2		2		2	V	Notes/ Restrictions
Mappable Softkeys	- V	V	V	V	٧	\ \[N N	N N	N N	2	N N	N N	2/	2/	N	√ √	
Media Gateway Control Protocol (MGCP) Support ▼	_	-	+			√ √	N a/	N A	N .	N .	N .	N a/	N al	N a/	-V	√ √	
MGCP Gateway Fallback to H.323	_	-	+			\ \	N a/	N A	N .	N .	N .	N a/	N al	V	-V	√ √	
MGCP ISDN T1/E1 PRI and T1-CAS with Q.931 Backhaul		-	1	-	1	√ √	N A	N .	V .	N .	N.	N .	N.	N .	N.	√ √	
Network-Specific Facilities (NSF)	V	V	V	V		т.	N A	N .	V .	N.	N.	N .	N.	N ./	N.	√ √	
Messages	V V	٠,	V	V	N	√ √	N A	N .	V .	N.	N.	N a/	N.	N A	N.	√ √	
Message Waiting Indicator (MWI)	N	√ 000000		N 0011111	N 20111111	N 1111		N 0.0111111	N 20111111	N 11111111	N 20111111	N 20111111	N 20111111		N 0/////		
Mobile Manager (SNR) ▼																	
CTI Based Integration		-		-				٧	ν	ν	ν	ν	ν	ν	.1	1.7	
Native to CM		-	1		1		1	,	,	,	,	,	,	٠,	1	٧	
Mobile Connect Voice Services	_	-		-	<u> </u>			٧	٧	1	٧	٧	V	٧	٧	1	Held of a conference
Mid Call Features	_	-	1	.,			_	1	1		-	<u> </u>	-	1	1	1	Hold, xfer, conference
Message Waiting Audible Indicator (AMWI)	_	4	1	٧	٧	Щ.	1_	1	1		<u> </u>	Ι,	<u> </u>	1	٧	1	Stutter tone
Mobility	_	4	1	1	1	Щ.	1_	Ι,	ļ.,	,	Ι,	٧	Ι,	١,	٧	٧	Location specific device config
Multi-Level Precedence and Preemption (MLPP) ▼	_	<u> </u>	1	1	1		_	٧	٧	V	٧	٧,	٧	٧	٧	٧	
Routine, Priority, Immediate, Flash and Flash Override								V	√	٧	٧	٧	٧	√	٧	√	
Executive Override										٧	٧	٧	٧	٧	٧	√	
MLPP over MGCP-Controlled T1/E1 PRI and T1-CAS Trunks								V	√	√.	٧.	٧.	1	√	1	√	
MLPP over SCCP-Controlled ISDN BRI Ports										V	√	√	√	√	1	√	
MLPP over H.323 Inter-Cluster Trunks										V	√	√	√	√	1	√	
MLPP Based on Locations-Based Call Admission Control (CAC)										\checkmark	\checkmark	\checkmark	$\sqrt{}$	√	1	√	
Multi-Party Conferencing ▼	√		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		√	
Ad Hoc Conferencing (up to 3 participants) ▼	√	√	√	\checkmark			√	\checkmark		\checkmark	\checkmark	\checkmark	$\sqrt{}$	√		√	
Ad Hoc Conferencing (up to 4 participants) ▼				\checkmark						\checkmark	\checkmark					√	
Ad Hoc Conferencing (up to 8 participants) ▼				\checkmark						\checkmark	\checkmark					√	
Drop Last Conference Party			\checkmark	\checkmark						\checkmark	\checkmark			\checkmark		√	
List All/Drop Any Conference Party				\checkmark						\checkmark	\checkmark					√	
Drop Conference When Initiator Leaves			\checkmark	\checkmark						\checkmark	\checkmark			\checkmark		√	CME Configuration Option
Drop Conference When No OnNet Parties Remain			\checkmark	\checkmark	\checkmark					\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		V	
Release Conference Bridge When Only Two Parties Remain								V	V	\checkmark	\checkmark	V	\checkmark	V	1	V	
Meet-Me Conferencing (up to 10 participants)				V	V	1	V	V	V	\checkmark	\checkmark	V	\checkmark	V	1	V	CME Native support for 32 Party Meet-Me
Secure Conferencing															1	√	
Non-Conference controller add/drop party ability												$\sqrt{}$				√	
Conference Chaining												\checkmark					
Non-NANP Support	V	1	V	V	V	V	V	$\sqrt{}$	V	\checkmark	V	V	$\sqrt{}$	V	1	√	
New Call	V	1	V	V	V	1	V	V	V	\checkmark	V	V	$\sqrt{}$	V	1	V	
Night Service Bell	V	V	√	V	$\sqrt{}$				1								
North American Numbering Plan (NANP) (Auto Configure) ▼			1		1	V	V	V	√	$\sqrt{}$	$\sqrt{}$	V	$\sqrt{}$	V	1	1	
Non-NANP Support	V	V	V	V	√	V	V	V	√	$\sqrt{}$	V	V	V	V	V	1	
Off-Premise Extension (OPX) Support	V	V	V	V	√	V	V	V	√	$\sqrt{}$	V	V	V	V	V	1	
On-Hook and Off-Hook Dialing ▼	V	V	V	V	√	V	V	V	√	$\sqrt{}$	V	V	V	V	V	1	
On-Hook Dialing	V	V	V	V	V	√	V	1	V	V	V	V	V	V	V	V	
Overlap Sending/Receiving (Q.SIG)	Ť	Ť	Ť		1	Ż	V	V	V	V	V	V	V	Ż	V	V	
Overlap Sending/Receiving (St.Sr.S) Overlap Sending/Receiving ISDN for Europe	1	1	1		1	Ż	Ż	Ż	V	Ż	V	V	V	Ż	V	V	
Paging Internal	√	V	V	V	V	H	+	Ė	Ė			Ė		Ť	Ė	+	
Paging External Speakers	V	Ż	Ż	į	V	√	7	V	V	V	V	V	V	V	1	1	<u> </u>
	<u> </u>	Ż	Ż	ż	J.	V	Ż	j	J	Ż	į	1	V	Ż	į	į	Except for 7931
Panerless Phone Labels	V																Except for 7931
Paperless Phone Labels Presence ▼	٧	V	٧	<u>'</u>	١	V	١	<u> </u>	+	٧	٧	٧	V	V	1	1	Except for 7931

CCM & CME Feature Descriptions Matrix EDCS-484313 Revision 2.2	CAR CARS	WE A.	WK &	AK P.	33.3		35	30 E			25.0	25.1	6.0	6.7		\	E sı	This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature lescriptions for each item.
Communication Manager Feature Name																		lotes/ Restrictions
BLF Call List (directories)		Ц,		√	√	Щ	Ц,	1			<u> </u>	ļ.,	1	√	√	√	_	961, 7941, 797x only
Privacy ▼	√	V	√	√	V	√	√	√	√	√	√	√	1	√	√	√	_	
Privacy Button		Ц,			<u> </u>	Щ	Ц,	√	√	√	√	√	1	√	√	√		
Private Line Auto RingDown (PLAR) Support	√	√	√	√		√	√	√	√	$\sqrt{}$	\checkmark	√	√	√	√	√		
Programmable Line Keys (PLK)															√	√	i.e	e. Hold/Conf/End Call on a line key (20 keys available)
Q.SIG Support ▼			√	√	√	√	√	√	√	V	$\sqrt{}$	√	1	√	√	√		
Calling Line Identification Presentation (CLIP)			√	√	√	√	√	√	√	V	$\sqrt{}$	√	1	√	√	√		
Calling Name Identification Presentation (CNIP)				√			\checkmark	√			\checkmark		V	$\sqrt{}$				
Connected Name Identification Presentation (CONP)					\checkmark		\checkmark		\checkmark	$\sqrt{}$	\checkmark		7	$\sqrt{}$				
Calling/Connected Line Identification Restriction (CLIR)			\checkmark	1	\checkmark	√	\checkmark	V	√	\checkmark	\checkmark	\checkmark	V	\checkmark	1	1		
Calling/Connected Name Identification Restriction (CNIR)			1	V	$\sqrt{}$			V	$\sqrt{}$		1	$\sqrt{}$	1	$\sqrt{}$		√		
Alerting Name			1	V	\checkmark					V	1	$\sqrt{}$	7			√		
Message Waiting Indicator (MWI)			1	1	\checkmark			V	1		V	V	V	V		√		
Support for QSIG and Non-QSIG Devices in Route Lists						1	V	V	V	V	V	V	V	$\sqrt{}$		√		
Call Diversion (a.k.a. Call Forward)			1	V	V			V	V	V	V	V	V	V	1	1		
Call Diversion (a.k.a. Call Forward) by Reroute ▼			V	V	V					1	V	V	$\sqrt{}$	V	1	1		
Call Completion (a.k.a. Call Back)										V	V	V	V	V	V	V		
Path Replacement			1	V	V					V	V	V	V	V	1	√	S	Supported for call forward. Transfer by join only supported in CME 4.0
Q.SIG over H.323 (Annex M.1)			+	T						V	V	V	V	V	1	V	1	
Quality of Service (QoS) ▼	√	V	V	V	V	√	V	V	V	1	V	V	V	V	1	V	1	
Differentiated Services (DiffServ) and IP Precedence (ToS)	V	V	V	V	V	V	V	V	V	V	V	V	7	V	7	1	1	
802.1p Class of Service (CoS)	V	V	V	V	V	√	V	V	1	V	V	V	V	V	V	V	1	
QoS Statistics	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	1	_	
Voice Quality Statistics	V	V	V	V	V			V	V	V	V	V	V	V	V	V	Р	Phone v8.2(1) and later
Redial	J.	V	V	V	V	V	V	V	V	V	V	V	Ż	V	Ż	V	1	
Redundancy/Fail Over for Call Processing Servers	į	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ì	Ż	Ż	Ż	С	CME Failover to second router supported]
CTI Manager Redundancy for TAPI/JTAPI applications		Ť	Ť	+	Ť	V	Ż	Ż	Ż	Ż	Ż	Ż	Ì	Ż	Ż	V	_	
Settings	√	V	V	V	V	Ż	Ż	Ż	Ż	Ż	Ż	Ż	Ì	Ż	Ż	Ż	_	
Contrast/LCD Contrast	į	Ż	Ż	Ż	V	ΗŻ	Ż	Ż	V	J	į	J	j	V	Ż	V	\dashv	
Ring Type (on a per line basis)	,	Ť	Ť	+	Ť	Ì	Ż	Ż	V	V	į	J	j	V	Ż	V	_	
Network Configuration/Network Settings	V	V	V	V	V	T,	J	J	J	J	J	J	J	V	J	Ż		
Status/Phone Info	1	J	V	1	j	ΗŻ	J	J	J.	J	J	J	J	J	7	Ż	+	
Simple Network Management Protocol (SNMP) Support ▼	١	·	· ·	+	,	Ì	1	1	1	1	1	1	V	1	1	V	+	
CISCO-CCM-MIB or CISCO-CCME-MIB SNMP MIB		V	V	1	1	Ì	V	J	V	1	1	V	V	V	1	V	+	
SIP Trunk Support with RFC2833 DTMF	V	V	V	V	1	· ·	,	-	١	,	٧	٧	٧	١	+	٧	_	
SIP Frunk Support with RFC2833 DTMF SIP Phone/Line Side Support (RFC3261 Features)	V	۷ ما	V	2/	V	$\vdash\vdash$	+	+	-	1-		1	J	V	N/	√	N	No TAC Support for non Cisco SIP Phones unless TDP Program approved
Speed Dials ▼	V	1	1	1	v 2	- V	٦/	2/	2/	V	1	3/	1	1	1	√ √	_	
	2/	V	V	7	2/	\ \ \	2/	2/	2/	2/	2/	2/	7	V	N N	_	_	
System Speed Dials	1 V	N	2/	2/	N N	\ \ \	2/	2/	2/	2/	2/	2/	۷ ما	N N	2/	√ √	+	
User-Programmable Speed Dials from GUI	V V	V	√ √	7	N N	V	٧	٧	٧	V	٧	٧	٧	٧	٧	.Λ	+	
User-Programmable Speed Dials from Phone	<u>;</u>	V	<u> </u>		V.	H.,	-1	- 1	2/	1	2/	2/	2	1	-1	-1	+	
Supplementary Services	√ 1	V	1	1	7	V	N	N	N	N	ν	N a/	N.	N J	N	√ -/	+	
T1/E1 PRI Support	N.	V	N	N	٧	V	٧	N	ν,	N.	N	N.	N	1	N	√ ./	4	14 CAS curported only on H 222 and SID actoryous
T1/E1-CAS Support	√ ./	√	1	1	1	√	√	٧	٧	ν,	٧	٧	N.	1	٧	√ ./		1-CAS supported only on H.323 and SIP gateways
Time of Day Routing	V	٧,	1	1	٧	Н,	Ψ,	١,	١,	1	٧	٧	1	1	7	√	_	
Toll Restriction/Toll Fraud Support ▼	√	√	√	√	٧	V	٧	٧,	٧,	٧	٧	٧	V	1	٧	√,	_	
Conferencing Enhancements (for Toll Fraud) ▼		1,	1,	1,	Ι,	V	1	٧	٧,	٧	٧	٧	٧	1	1	√		
	√	V	V	V	√	√	V		V	V	V	V	$\sqrt{}$	V	V	1		
Drop Conference When Initiator Leaves	· ·		-	-	- 1					,	,	1		- 1	- 1	,	_	
Drop Conference When Initiator Leaves Drop Conference When No OnNet Parties Remain External Transfer Restrictions (for Toll Fraud) ▼	· ·		V	V	V	V	Ι,			V	V	V	V	√	√,	√		

CCM & CME Feature Descriptions Matrix EDCS-484313 Revision 2.2	CM:	Ch.	K S.	K P.	33/4		QU.			ZO E	5.0		(1) (s)	(S. 1)			This spreadsheet should be used as a companion to the CallManager Feature Descriptions Guide, EDCS-191168. This spreadsheet merely lists which version(s) of CCM and CME the feature is supported in and briefly notes any explicit restrictions, while the guide contains the detailed feature descriptions for each item.
Communication Manager Feature Name																	Notes/ Restrictions
External vs. Internal Trunk Designation	\checkmark		\checkmark	$\sqrt{}$	\checkmark					\checkmark	\checkmark	\checkmark		\checkmark		V	
Toll Restriction Over-ride	$\sqrt{}$	$\sqrt{}$	V	1	V												CM Extension Mobility can be used for this
Transcoding and Media Termination Point (MTP) Support	$\sqrt{}$	$\sqrt{}$	V	1	V	√	1	√	V	V	V	V	1	V	1	V	
Transfer ▼	√	$\sqrt{}$	V	1	V	√	1	√	V	V	V	V	1	V	1	V	
Blind Transfer	√	V	V	V	V	1	√	√	1	1	V	V	V	V	V	V	
Consultative Transfer ▼	√	V	V	V	V	√	√	V	V	V	V	V	V	V	$\sqrt{}$	V	
Consultative Transfer Support in Cisco Attendant Console						√	√	V	V	V	V	V	V	V	$\sqrt{}$	V	
Direct Transfer	√	V	V	V	V			V	V	V	V	V	V	V	$\sqrt{}$	V	Direct transfer on CME supported on idle monitored lines
Complete Transfer on hangup											V	V	V	V	$\sqrt{}$	V	
Trivial File Transfer Protocol (TFTP) Support	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	√	√	√	V	V	$\sqrt{}$	V	$\sqrt{}$	V		V	
	1	V	$\sqrt{}$	V	V	V	V	1	V	V	V	V		V	V	√	
User Facing Feature Database Independence ▼			Ť			Ħ	Ť	Ť		1			İ		V	V	User features changeable when publisher is offline
Call Forward All							T			1					V	V	
Message Waiting Indicator (MWI)			1							1					V	V	
Privacy Enable/Disable			1			Ħ				1					V	V	
DND Enable/Disable					1	Ħ					1				V	V	
Extension Mobility						H	\top								V	V	Must use unique EM services on each CM or use load distributor to get EM resilancy
Hung Group Logout						H	\top								V	V	
Device Mobility							\top								V	V	
CTI CAPF Status for end users							\top								V	V	
Video Telephony Support ▼			V	V	V	Ħ	_	√	V	V	V	V	V	V	V	V	
Cisco VT Advantage Support			V	V	V	Ħ	_	V	V	V	V	V	V	V	V	V	
Tandberg SCCP Video Endpoints Support			Ť		Ť	H	+	Ż	V	V	V	V	V	V	V	V	
SCCP Support on Cisco IP/VC 3500 Series Multipoint Conference Units (MCUs	3)		1		1	H	+	Ż	V	V	V	V	V	V	V	V	
H.264 Video Codec Support on SCCP Endpoints	,		1			H	+	Ť	Ť	Ż	Ż	Ż	Ż	v	Ż	Ż	
Mid-Call Video			1			H	+	_		Ż	Ż	Ż	Ż	v	Ż	Ż	
User-Selectable Video Display Mode			1			H	+			į	ż	Ż	Ż	v	Ż	Ż	
Participant Information in Multipoint Video Conferences			1			H	+			Ż	ż	Ż	Ż	Ż	Ż	Ż	
Dynamic H.323 Client Addressing Support			1			H	+	_		į	j	Ż	Ż	v	j	ij	
Virus Protection Certification					1	V	V	V	V	Ż	ż	Ż	Ż	Ż	v	Ż	
Voice Activity Detection (VAD)/Silence Suppression Support ▼	V	V	V	V	V	Ż	V	ż	Ż	Ż	ż	Ż	Ż	Ż	V	Ż	
Comfort Noise Generation	V	J	Ż	J	ż	V	V	ż	Ż	Ż	ż	Ż	Ż	Ż	V	Ż	
Voice Mail Support ▼																	
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SMDI Voicemail Integration	•	_	<u> </u>	•	<u>'</u>	1	1	1	1	1	1	1	J	1	1	1	
Cisco Digital Port Adapter (DPA) 7600 Series Support						1	1	1	1	1	1	1	J	1	1	1	
Q.SIG Voice Mail Integration with MGCP-controlled PRI Trunks			1		1	H *	١	7	V	V	1	1	V	V	V	1	
Q.SIG Voice Mail Integration with Moor-controlled PRI Trunks Q.SIG Voice Mail Integration with Annex M.1 H.323 Trunks			2	2	2/	H	+	- '	١,	1	2	2/	1	2/	1	1	
H.323 Integration for Third Party Voice Mail	V	V	1	1	1	H	+	+	-	· ·	٧	· ·	·	٧	<u> </u>	١,	
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Per-Line Configurable MWI	٧	·	1	1	V	1	7	1	3/	V	V	1	J	V	1	1	
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Secure RTP support (SRTP)			1		1-	\vdash	+	+	+	+	7	2/	v 2/	2/	2/	2/	
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Volume Control																	