

UC on UCS: Hardware Replacement for BE6K, BE7K, MM400v, MM410V, CMS1000, CMS2000, TCS

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Introduction

This article will document the CIBU products that use SAVBU UCS hardware (aka UCS adopter product) and how hardware support works within TAC for each of them.

NOTE: This does not work for Federal Customers. If the customer is a Federal customer, the partner must be the one who opens the DOA request. TAC/HTTS will be rejected if they attempt to open a DOA request for Federal customers.

A customer-facing version of this information can be found at https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/uc_system/virtualization/collaboration-virtualization-hardware.html.

The products this document covers are

- BE6K – models BE6000S, BE6000M, BE6000H
- BE7K – models BE7000M, BE7000H
- Cisco Media Server
- Media 400V
- Telepresence Content Server
- Expressway CE - CE1400V, CE1300, CE1200

Definitions of Terms used in this document

- BExK - Cisco Business Edition Server
- CE1xK - Cisco Expressway Server
- SKU - Stock Keeping Unit, a Cisco part number which may be purchased by a customer
- FRU - Field Replaceable Unit, a part which can be RMA'd and installed by a customer with specific knowledge or FE
- CRU - Customer Replaceable Unit, a part which can be RMA'd and installed by the customer with no specific training
- BOM - Bill of Materials, a list of sub-components that are included in a configurable SKU

Hardware Support Strategy for CIBU UCS Adopter Products

All of the products included in this document adhere to the same hardware support strategy as UCS-C servers.

This means Cisco RMA Depots do not stock and SVO does not support full-server, configured RMAs.

Hardware replacement must be done at the component level based on the diagnosis of the customer, partner, and/or TAC.

DOA or MFG-NEW RMAs

Because the full server, configured chassis are not in the SVO tool a DOA RMA must be placed as MFG-New, using the part "*CLR-MISC*" with the correct product PID noted in the RMA's special instructions.

Any RMA for a product that includes preinstalled software must be processed as MFG-NEW in order for the hypervisor and apps to be preinstalled at the factory. There is the potential for a limited stock of BE6K MD servers to be in Cisco RMA depots however these servers will not have any preinstalled software.

!! IMPORTANT !!

Typically when a new version of the BE server (e.g. M5 replacing the M4 servers) is available the previous version quickly becomes End of Sale.

MFG-NEW RMAs are only possible for a PID that has not reached End of Sale.

As of October 2018 this means that TAC cannot use this option for M4-based BE6K or BE7K servers because they are EOS. Only M5-based servers can be ordered.

TAC (both UC and SV) should continue to troubleshoot difficult hardware problems, and escalate internally and even via BEMS as needed. Replacing the entire server is no longer an option as a last resort.

Note for Mainboard/Motherboard replacement:

UCSC mainboards are traditionally replaced using the chassis top-level FRU. For the UC products in this document that are M4-based servers the SVO tool will automatically replace the UC SKU with the UCS one. **This means if you RMA the top-level PID your customer will get a chassis and mainboard with no HDD, RAM, etc.**

Note: For the M3-based "be6k" servers (BE6K-ST-BDL*) the product is End Of Support.

<https://www.cisco.com/c/en/us/products/collateral/unified-communications/business-edition-6000/eos-eol->

BE4000

Cisco® Business Edition 4000 (BE4000) is based on the ISR4321 and has no UCS component as part of the solution.

SKU: BE4S-V-K9 Cisco Business Edition 4000 Appliance

Individual components, outside of Network Interface Modules (NIMs) are not available for RMA.

BE6000

Cisco® Business Edition 6000 (BE6000) was the first UCS adopter product offered for UC products to ship with factory-installed virtualization software (ESXi) and includes OVA and ISO installation media for UC software on the ESXi datastore. It includes ESXi preinstalled from the factory along with a set of core UC VMs created and potentially preinstalled.

There are three versions of the BE6K, each with different capabilities and different hardware.

BE6K MD supports 1000 users, up to 1200 devices, and 4+1* UC Apps

BE6K HD supports 1000 users, up to 2500 devices, and 8+1* UC Apps

BE6000S supports 150 users, up to 300 devices, and runs a fixed configuration of 5 UC Apps. It comes bundled with an ISR 2921V. The three SKUs for the product indicate the type of VWIC the ISR will ship with for PSTN connectivity (FXO, PRI, or BRI).

*The +1 app for BE6K is always Prime Collaboration Provisioning for BE.

BE6K SKUs

SKU	Description	Project Codename*
BE6K-ST-BDL-K9	BE6K Medium Density Server, Export Restricted SW (UCS M3)	Blue Bird
BE6K-ST-BDL-XU	BE6K Medium Density Server, Export Unrestricted SW (UCS M3)	
BE6K-STBDL-PLS-K9	BE6K High Density Server, Export Restricted SW (UCS M3)	Blue Lagoon
BE6K-STBDL-PLS-XU	BE6K High Density Server, Export Unrestricted SW (UCS M3)	
BE6S-PRI-M2-K9	BE6000S, 2921V, PRI (UCS E160D M2)	Canberra
BE6S-BRI-M2-K9	BE6000S, 2921V, BRI (UCS E160D M2)	Canberra

SKU	Description	Project Codename*
BE6S-FXO-M2-K9	BE6000S, 2921V, FXO (UCS E160D M2)	Canberra
BE6M-M4-K9	BE6000 Medium Density Server, Export Restricted SW (UCS M4)	BlueMoon
BE6M-M4-XU	BE6000 Medium Density Server, Export Unrestricted SW (UCS M4)	
BE6H-M4-K9	BE6000 High Density Server, Export Restricted SW (UCS M4)	BlueMoon
BE6H-M4-XU	BE6000 High Density Server, Export Unrestricted SW (UCS M4)	
BE6M-M5-K9	Cisco Business Edition 6000M (M5) Appliance, Export Restr SW	Blue Beetle
BE6M-M5-XU	Cisco Business Edition 6000M (M5) Appliance, Exp Unrestr SW	
BE6H-M5-K9	Cisco Business Edition 6000H (M5) Appliance, Export Restr SW	Blue Beetle
BE6H-M5-XU	Cisco Business Edition 6000H (M5), Exp Unrestr SW	
BE6K-M6-K9	Cisco Business Edition 6000 (M6) Appliance, Export Restr SW	Duros 4
BE6K-M6-XU	Cisco Business Edition 6000 (M6) Appliance, Exp Unrestr SW	
BE6K-M7-K9	Cisco Business Edition 6000 (M7) Appliance, Export Restr SW	KreeAC4
BE6K-M7-XU	Cisco Business Edition 6000 (M7) Appliance, Exp Unrestr SW	

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the current shipping versions of the BE6K.

BOM for BE6K-ST-BDL (K9/XU)

CITG Adopter SKU	SAVBU SKU	Description	Quantity	FRU / SAVBU SKU
BE6K-ST-BDL-K9	UCSC-C220-M3S	UCS C220 M3 Chassis and Motherboard	1	BE6K-ST-BDL-K9=
or				or
BE6K-ST-				BE6K-ST-BDL-

CITG Adopter SKU	SAVBU SKU	Description	Quantity	FRU / SAVBU SKU
BDL-XU				XU=
	N20-BBLKD	UCS 2.5 inch HDD blanking panel	4	
	UCSC-HS-C220M3	Heat Sink for UCS C220 M3 Rack Server	2	
	UCSC-PSU-BLKP	Power supply blanking panel/filler	1	
	UCSC-RAIL1	2U Rail Kit for C220 servers	1	
	UCSC-PCIF-01F	Full height PCIe filler for C-Series	1	
UCS-CPU-E5-2609	UCS-CPU-E5-2609	2.4 GHz E5-2609/80W 4C/10MB Cache/DDR3 1066MHz	2	UCS-CPU-E5-2609=
UC-MR-1X082RY-A	UCS-MR-1X041RY-A	4GB DDR3-1600-MHz RDIMM/PC3-12800/single rank/x4/1.35V-1.5V/35nm	4	UCS-MR-1X041RY-A=
UC-A03-D500GC3	A03-D500GC3	500GB 6Gb SATA 7.2K RPM SFF hot plug/drive sled mounted	4	A03-D500GC3=
UC-PSU-650W	UCSC-PSU-650W	650W power supply for C-series rack servers	1	UCSC-PSU-650W=
UC-RAID-9271	UCS-RAID9271CV-8I	MegaRAID 9271CV Raid card with 8 internal SAS/SATA parts, S	1	UCS-RAID9271CV-8I=
CIT-SD-16G-C220	UCSC-SD-16G-C220	16GB SD Card Module for C220 servers	1	UCSC-SD-16G-C220=

BOM for BE6K-STBDL-PLS (K9/XU)

CITG Adopter SKU	SKU	Description	Quantity	FRU
BE6K-STBDL-PLS-K9 or BE6K-STBDL-PLS-XU	UCSC-C220-M3S=	SL1 Ivy Bridge Chassis and Motherboard	1	BE6K-STBDL-PLS-K9 or BE6K-STBDL-PLS-XU
CIT-CPU-E5-2665	UCS-CPU-E5-2665=	2.40 GHz E5-2665/115W 8C/20MB Cache/DDR3 1600MHz	2	UCS-CPU-E5-2609=
UC-MR-1X082RY-A	UCS-MR-1X082RY-A	4GB DDR3-1600-MHz RDIMM/PC3-12800/single rank/x4/1.35V-1.5V/35nm	6	UCS-MR-1X041RY-A=
CIT-HDD300GI2F105	UCS-HDD300GI2F105	500GB 6Gb SATA 7.2K RPM SFF hot plug/drive sled mounted	8	UCS-HDD300GI2F105=
UC-PSU-650W	UCSC-PSU-650W	650W power supply for C-series rack servers	2	UCSC-PSU-650W
UC-RAID-9271	UCS-RAID9271CV-8I	MegaRAID 9271CV Raid card with 8 internal SAS/SATA parts, S	1	UCS-RAID9271CV-8I
CIT-PCIE-IRJ45	UCSC-PCIE-IRJ45	Intel Quad GbE adapter	1	UCSC-PCIE-IRJ45
	R2XX-RAID5	Enable Raid 5 Setting	1	N/A - Config Only

BOM for BE6S-PRI/BRI/FXO-M2-K9

CITG Adopter SKU	SAVBU SKU	Description	Quantity	FRU / SAVBU SKU
UCS E160D Components				
UCS-E160D-M2BUN/K9	UCS-E160D-M2BUN/K9	UCS E160D M2 Chassis, E5-2418LV2 6-core 2.0GHz	1	E160DM2-SVC
E100-8-16-MEM-UPG	E100-8-16-MEM-UPG	Upgrades E140/160 First memory dimm from 8 to 16GB. 1333MHz RDIMM/PC3-10600	1	E100D-MEM-RDIM16G=
E100D-HDSASED600G	E100D-HDSASED600G	600 GB, SAS SED hard disk drive for DoubleWide UCS-E	3	E100D-HDSASED600G=
E100-SD-8G	E100-SD-8G	8 GB SD Card for SingleWide and DoubleWide UCS-E	1	E100-SD-8G=
DISK-MODE-RAID-5	DISK-MODE-RAID-5	Configure Hard Drives as RAID 5	1	N/A
ISR 2921V Components				
CISCO2921-V/K9	--	Cisco 2921 w/3 GE,4 EHWIC,3 DSP,1 SM,256MB CF,512MB DRAM,IPB	1	CISCO2921/K9
PWR-2921-51-AC	--	Cisco 2921/2951 AC Power Supply	1	PWR-2921-51-AC=
MEM-2900-512U1GB	--	Cisco 2900 1GB DRAM Upgrade	1	MEM-2900-1GB=
MEM-CF-256MB	--	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	1	MEM-CF-256MB=
PVDM3-32	--	32-channel high-density voice and video DSP module SPARE		PVDM3-32=
CAB-ETH-S-RJ45	--	Yellow Cable for Ethernet, Straight-through, RJ-45, 6 feet	1	CAB-ETH-S-RJ45=
CAB-CONSOLE-USB	--	Console Cable 6 ft with USB Type A and mini-B	1	CAB-CONSOLE-USB=
ISR Software and Licenses				
S29UK9-15403M	--	IOS Preload for 15.4(3M)	--	--
SL-29-IPB-K9	--	IP Base License for Cisco 2901-2951	--	--
SL-29-UC-K9	--	Unified Communication License for Cisco 2901-2951	--	--
ISR-CCP-EXP	--	Cisco Config Pro Express on Router Flash	--	--
FL-CUBEE-5	--	Unified Border Element Enterprise License - 5 sessions	--	--
One of these, based on top-level SKU (PRI, BRI, FXO)				
VWIC3-1MFT-	--	1-Port 3rd Gen Multiflex Trunk	1	VWIC3-1MFT-

CITG Adopter SKU	SAVBU SKU	Description	Quantity	FRU / SAVBU SKU
T1/E1		Voice/WAN Int. Card - T1/E1		T1/E1=
VIC2-2BRI-NT/TE	--	Two-port Voice Interface Card - BRI (NT and TE)	1	VIC2-2BRI-NT/TE=
VIC2-4FXO	--	Four-port Voice Interface Card - FXO (Universal)	1	VIC2-4FXO=

BOM for BE6M-M4 (K9/XU)

SKU	Description	Quantity	FRU
UCSC-C220-M4S	UCS C220 M4 SFF w/o CPU, mem, HD, PCIe, PSU, rail kit	1	UCSC-C220-M4S=
CIT-CPU-E52630D	2.40 GHz E5-2630 v3/85W 8C/20MB Cache/DDR4 1866MHz	1	UCS-CPU-E52630D=
CIT-MR-1X162RV-A	16GB DDR4-2133-MHz RDIMM/PC4-17000/dual rank/x4/1.2v	2	UCS-MR-1X162RV-A=
CIT-A03-D300GA2	300GB 6Gb SAS 10K RPM SFF HDD/hot plug/drive sled mounted	6	A03-D300GA2=
CIT-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2	UCSC-PSU1-770W=
CIT-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=
CIT-MRAID12G-1GB	Cisco 12Gbps SAS 1GB FBWC Cache module (Raid 0/1/5/6)	1	UCSC-MRAID12G-1GB=
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE6M-M4's 6 physical disks are configured into a single RAID5 volume.

Note: CIT-MR-1X162RU-A was replaced by CIT-MR-1X162RV-A on 29 March, 2017.

BOM for BE6M-M5 (K9/XU)

SKU	Description	Quantity	FRU
UCSC-C220-M5SX	UCS C220 M5 SFF 10 HD w/o CPU, mem, HD, PCIe, PSU	1	
UCS-CPU-4114	2.2 GHz 4114/85W 10C/13.75MB Cache/DDR4 2400MHz	1	
UCS-MR-X16G1RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/single rank/x4/1.2v	3	
UCS-HD300G10K12N	300GB 12G SAS 10K RPM SFF HDD	6	
UCSC-PSU1-770W	Cisco UCS 770W AC Power Supply for Rack Server	1	
UCSC-RAID-M5	Cisco 12G Modular RAID controller with 2GB cache	1	
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE6M-M5's 6 physical disks are configured into a single RAID5 volume.

BOM for BE6H-M4 (K9/XU)

SKU	Description	Quantity	FRU
UCSC-C220-M4S	UCS C220 M4 SFF w/o CPU, mem, HD, PCIe, PSU, rail kit	1	UCSC-C220-M4S=
CIT-CPU-E52630D	2.40 GHz E5-2630 v3/85W 8C/20MB Cache/DDR4 1866MHz	2	UCS-CPU-E52630D=
CIT-MR-1X081RV-A	8GB DDR4-2133-MHz RDIMM/PC4-17000/single rank/x4/1.2v	6	UCS-MR-1X081RV-A=
CIT-A03-D300GA2	300GB 6Gb SAS 10K RPM SFF HDD/hot plug/drive sled mounted	8	A03-D300GA2=
CIT-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2	UCSC-PSU1-770W=
CIT-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=
CIT-MRAID12G-1GB	Cisco 12Gbps SAS 1GB FBWC Cache module (Raid 0/1/5/6)	1	UCSC-MRAID12G-1GB=
CIT-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	1	UCSC-PCIE-IRJ45=
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE6H-M4's 8 physical disks are configured into a single RAID5 volume.

Note: CIT-MR-1X081RU-A was replaced by CIT-MR-1X081RV-A on 29 March, 2017.

BOM for BE6H-M5 (K9/XU)

SKU	Description	Quantity	FRU
UCSC-C220-M5SX	UCS C220 M5 SFF 10 HD w/o CPU, mem, HD, PCIe, PSU	1	
UCS-CPU-4114	2.2 GHz 4114/85W 10C/13.75MB Cache/DDR4 2400MHz	2	
UCS-MR-X16G1RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/single rank/x4/1.2v	4	
UCS-HD300G10K12N	300GB 12G SAS 10K RPM SFF HDD	8	
UCSC-PSU1-770W	Cisco UCS 770W AC Power Supply for Rack Server	2	
UCSC-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	1	
UCSC-RAID-M5	UCSC-RAID-M5	1	
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE6H-M5's 8 physical disks are configured into a single RAID5 volume.

BOM for BE6K-M6 (K9/XU)

SKU	FRU	Description	Quantity
BE6K-M6-K9 BE6K-M6-XU	UCSC-C220-M6S=	UCS C220 M6 Rack w/o CPU, mem, drives, 1U wSFF HDD backplane	1
BE6K-CPU-M6	UCS-CPU-I4310T=	Intel 4310T	1

		2.3GHz/105W 10C/15MB DDR4 2667MHz	
BE6K-RAM-M6-M5	UCS-MR-X16G1RW=	16GB RDIMM SRx4 3200 (8Gb)	4
BE6K-RAIDCTRLR-M6	UCSC-RAID-220M6=	Cisco 12G SAS RAID Controller w/4GB FBWC (16 Drv) w/1U Brkt	1
BE6K-DISK-M6	UCS-HD600G10K12N=	600GB 12G SAS 10K RPM SFF HDD	6
BE6K-PSU-M6	UCSC-PSU1-1050W=	Cisco UCS 1050W AC Power Supply for Rack Server	2
BE6K-TPM-M6	UCSX-TPM-002C=	TPM 2.0, TCG, FIPS140- 2, CC EAL4+ Certified, for M6 servers	1

***Note: BE6H does not have a M6 1:1 replacement as the previous versions did.**

BOM for BE6K-M7 (K9/XU)

	Description	PID	Adopter PID
Leveraged Base Server	UCS-M7-MLB	UCSC-C220-M7S	
CPU	(12C/2.0GHz)	UCS-CPU-I4510T	BE6K-CPU-M7
Memory	5600MHz 16GB DIMMs	UCS-MRX16G1RE3	BECE-RAM-M7
Storage	RAID Controller	UCSC-RAID-M1L16	BE6CE-RAIDCTRLR-M7
	600GB 10K SAS HDD	UCS-HD600G10KJ4-D	BECE-DISK-M7
Network + IO	OCP 3.0 MLoM NIC	UCSC-O-ID10GC-D	BECE-OCPNIC-M7

	PCIe NIC (4x10GE SFP+)	UCSC-PCIEIQ10GF-D	BECE-PCINIC-M7
	10GE Fiber SFP+	SFP-10G-SR	SFP-10G-SR
	10GE Cu RJ45 SFP+	GLC-TE	GLC-TE
	PCIe Riser	UCSC-RIS1A-22XM7	BE6CE-PCIERISR1-M7
Misc.	Power Supplies	UCSC-PSU1-1200W-D	BECE-PSU-M7
	Trusted Platform Module	UCSX-TPM-002C-D	BECE-TPM-M7
	Rack-mounting kit	UCSC-RAIL-D	
(Autoexpands)	Heat sinks for CPU	UCSC-HSLP-C220M7	
	Blanking panel (DIMM slot)	UCS-DDR5-BLK	
	Blanking panel (disk slot)	UCSC-BBLKD-M7	
	Storage cable	CBL-SAS-Y-C220M7	
	RAID Controller Bracket	UCSC-HPBKT-22XM7	
	Daughterboard for OCP NIC	UCSC-OC3-KIT-D	BECE-MLOMNICKIT-M7
	Blanking panel (Riser2)	UCSC-FBRS2-C220M7	
	Blanking panel (Riser3)	UCSC-FBRS-C220-D	

BE7000

Cisco® Business Edition 7000 (BE7000) is a bigger version of the BE6000. It includes ESXi preinstalled from the factory along with a set of core UC VMs created and potentially preinstalled.

BE7000 supports 1000+ users. It supports 4-6 UC Applications.

BE7000 is intended to be used as a "building block" as a Medium-sized TRC that takes advantage of the ease in ordering and deployment introduced with BE6000.

BE7K SKUs

SKU	Description	Project Codename*
BE7K-K9	BE7K Server, Export Restricted (K9) SW	Touvlo
BE7K-XU	BE7K Server, Export Unrestricted (XU) SW (UCS M3)	
BE7M-M4-K9	BE7K Medium-Density Server, Export Restricted (K9) SW	BlueMoon
BE7M-M4-XU	BE7K Medium-Density Server, Export Unrestricted (XU) SW (UCS M4)	
BE7H-M4-K9	BE7K High-Density Server, Export Restricted (K9) or Unrestricted (XU) SW	BlueMoon
BE7H-M4-XU	BE7K High-Density Server, Export Unrestricted (XU) SW (UCS M4)	
BE7M-M5-K9	Cisco Business Edition 7000M (M5) Appliance, Export Restr SW	Blue Beetle
BE7M-M5-XU	Cisco Business Edition 7000M (M5) Appliance, Exp Unrestr SW	
BE7H-M5-K9	Cisco Business Edition 7000H (M5) Appliance, Export Restr SW	Blue Beetle
BE7H-M5-XU	Cisco Business Edition 7000H (M5) Appliance, Exp Unrestr SW	
BE7M-M6-K9	Cisco Business Edition 7000M (M6) Appliance, Export Restr SW	Duros 4
BE7M-M6-XU	Cisco Business Edition 7000M (M6) Appliance, Exp Unrestr SW	
BE7H-M6-K9	Cisco Business Edition 7000H (M6) Appliance, Export Restr SW	Duros 4
BE7H-M6-XU	Cisco Business Edition 7000H (M6) Appliance, Exp Unrestr SW	
BE7M-M7-K9	Cisco Business Edition 7000M (M7) Appliance, Export Restr SW	KreeAC4
BE7M-M7-XU	Cisco Business Edition 7000M (M7) Appliance, Exp Unrestr SW	

SKU	Description	Project Codename*
BE7H-M7-K9	Cisco Business Edition 7000H (M7) Appliance, Export Restr SW	KreeAC4
BE7H-M7-XU	Cisco Business Edition 7000H (M7) Appliance, Exp Unrestr SW	

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the current shipping versions of the BE7K.

BOM for BE7K-(K9/XU)

SKU	Description	Quantity	FRU
UCSC-C240-M3S=	SL2 Ivy Bridge Chassis	1	UCSC-C240-M3S=
CIT2-CPU-E5-2640=	2.50 GHz E5-2640/95W 6C/15MB Cache/DDR3 1333MHz	2	UCS-CPU-E5-2640=
CIT2-MR-1X082RY-A=	8GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	8	UCS-MR-1X082RY-A=
CIT2-A03-D300GA2=	2.5" 300GB, 10K RPM, SAS 146Gb	12	A03-D300GA2=
CIT2-PSU2-1200=	1200W 2u Power Supply For UCS	2	UCSC-PSU2-1200=
CIT2-RAID-9271CV	MegaRAID 9271CV Raid card with 8 internal SAS/SATA parts, S	1	UCS-RAID9271CV-8I=
CIT2-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	2	UCSC-PCIE-IRJ45

BOM for BE7M-M4-(K9/XU)

SKU	Description	Quantity	FRU
UCSC-C240-M4S2	UCS C240 M4 SFF 16 HD w/o CPU,mem,HD,PCIe,PS,rail w/expndr	1	UCSC-C240-M4S2=
CIT2-CPU-E52680D	2.50 GHz E5-2680 v3/120W 12C/30MB Cache/DDR4 2133MHz	1	UCS-CPU-E52680D=
CIT2-MR-1X162RV-A	8GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	4	UCS-MR-1X162RV-A=
CIT2-A03-D300GA2	2.5" 300GB, 10K RPM, SAS 146Gb	12	A03-D300GA2=
CIT2-PSU2V2-1200W	1200W / 800W V2 AC Power Supply for 2U C-Series Servers	2	UCSC-PSU2V2-1200W=
CIT2-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=
CIT2-MRAID12G-1GB	Cisco 12Gbps SAS 1GB FBWC Cache module (Raid 0/1/5/6)	1	UCSC-MRAID12G-1GB=
CIT2-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	2	UCSC-PCIE-IRJ45=
CIT2-PCI-1B-240M4	Right PCIe Riser Board (Riser 1) (3 x8) for 6 PCI slots	1	UCSC-PCI-1B-240M4=
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE7M-M4's 12 physical disks are configured into two RAID5 volumes of 6 physical disks each.

Note: CIT2-MR-1X162RU-A was replaced by CIT2-MR-1X162RV-A on 29 March, 2017.

BOM for BE7M-M5-(K9/XU)

SKU	Description	Quantity	FRU
UCSC-C240-M5SX	UCS C240 M5 24 SFF + 2 rear drives w/o CPU,mem,HD,PCIe,PS	1	
UCS-CPU-6132	2.6 GHz 6132/140W 14C/19.25MB Cache/DDR4 2666MHz	1	
UCS-MR-X16G1RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/single rank/x4/1.2v	6	
UCS-HD300G10K12N	300GB 12G SAS 10K RPM SFF HDD	14	
UCSC-PSU1-1050W	Cisco UCS 1050W AC Power Supply for Rack Server	2	
UCSC-RAID-M5HD	Cisco 12G Modular RAID controller with 4GB cache	1	
UCSC-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	2	
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE7M-M5's 14 physical disks are configured into two RAID5 volumes of 7 physical disks each.

BOM for BE7M-M6-(K9/XU)

SKU	FRU	Description	Qty
BE7M-M6-K9 BE7M-M6-XU	UCSC-C240-M6SX=	UCS C240 M6 Rack w/o CPU, mem, drives, 2U w 24	1
BE7M-CPU-M6	UCS-CPU-I6326=	Intel 6326 2.9GHz/185W 16C/24MB DDR4 3200MHz	1
BE7K-RAM-M6-M5	UCS-MR-X16G1RW=	16GB RDIMM SRx4 3200 (8Gb)	6
BE7K-RAIDCTRLR-M6	UCSC-RAID-M6SD=	Cisco 12G SAS RAID Controller w/4GB FBWC (16 Drv) w/1U Brkt	1
BE7K-DISK-M6	UCS-HD600G10K12N=	600GB 12G SAS 10K RPM SFF HDD	16
BE7K-NIC-M6	UCSC-P-IQ10GC=	Cisco-Intel X710T4LG 4x10 GbE RJ45 PCIe NIC	2
BE7K-PCIERISER-M6	UCSC-RIS1A-240M6=	C240 M6 Riser1A; (x8;x16x, x8); StBkt; (CPU1)	1
BE7K-PSU	UCSC-PSU1-1050W=	Cisco UCS 1050W AC Power Supply for Rack Server	2
BE7K-TPM-M6	UCSX-TPM-002C=	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for M6 servers	1

BOM for BE7M-M7 (K9/XU)

	Description	PID	Adopter PID
Leveraged Base Server	UCS-M7-MLB	UCSC-C240-M7SX	

CPU	(16C/2.8GHz)	UCS-CPU-I6526Y	BE7K-CPU-M7
Memory	5600MHz 16GB DIMMs	UCS-MRX16G1RE3	BECE-RAM-M7
Storage	RAID Controller	UCSC-RAID-MP1L32	BE7K-RAIDCTRLR-M7
	600GB 10K SAS HDD	UCS-HD600G10KJ4-D	BECE-DISK-M7
Network + IO	OCP 3.0 MLoM NIC	UCSC-O-ID10GC-D	BECE-OCPNIC-M7
	PCIe NIC (4x10GE SFP+)	UCSC-PCIEIQ10GF-D	BECE-PCIENIC-M7
	10GE Fiber SFP+	SFP-10G-SR	SFP-10G-SR
	10GE Cu RJ45 SFP+	GLC-TE	GLC-TE
	PCIe Riser	UCSC-RIS1A-240-D	BE7K-PCIERISER-M7
Misc.	Power Supplies	UCSC-PSU1-1200W-D	BECE-PSU-M7
	Trusted Platform Module	UCSX-TPM-002C-D	BECE-TPM-M7
	Rack-mounting kit	UCSC-RAIL-D	
(Autoexpands)	Heat sinks for CPU	UCSC-HSHP-C240M7	
	Blanking panel (DIMM slot)	UCS-DDR5-BLK	
	Blanking panel (disk slot)	UCSC-BBLKD-M7	
	Storage cable	CBL-SAS-Y-C240M7	
	RAID Controller Bracket	UCSC-SDBKT-24XM7	
	Daughterboard for OCP NIC	UCSC-OCP3-KIT-D	BECE-MLOMNICKIT-M7
	Blanking panel (Riser2)	UCSC-FBRS2-C240-D	
	Blanking panel (Riser3)	UCSC-FBRS3-C240-D	

BOM for BE7H-M4-(K9/XU)

SKU	Description	Quantity	FRU
UCSC-C240-M4SX	UCS C240 M4 SFF 24 HD w/o CPU,mem,HD,PCIe,PS,rail w/expndr	1	UCSC-C240-M4SX=
CIT2-CPU-E52660D	2.60 GHz E5-2660 v3/105W 10C/25MB Cache/DDR4 2133MHz	2	UCS-CPU-E52660D=
CIT2-MR-1X162RV-A	8GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	8	UCS-MR-1X162RV-A=
CIT2-A03-D300GA2	2.5" 300GB, 10K RPM, SAS 146Gb	20	A03-D300GA2=
CIT2-PSU2-1400W	1400W AC Power Supply for 2U & 4U C Series Servers	2	UCSC-PSU2-1400W=
CIT2-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=
CIT2-MRAID12G-4GB	Cisco 12Gbps SAS 4GB FBWC Cache module (Raid 0/1/5/6)	1	UCSC-MRAID12G-4GB=
CIT2-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	2	UCSC-PCIE-IRJ45=
CIT2-PCI-1B-240M4	Right PCIe Riser Board (Riser 1) (3 x8) for 6 PCI slots	1	UCSC-PCI-1B-240M4=
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE7H-M4's 20 physical disks are configured into four RAID5 volumes of 5 physical disks each.

Note: CIT2-MR-1X162RU-A was replaced by CIT2-MR-1X162RV-A on 29 March, 2017.

BOM for BE7H-M5-(K9/XU)

SKU	Description	Quantity	FRU
UCSC-C240-M5SX	UCS C240 M5 24 SFF + 2 rear drives w/o CPU,mem,HD,PCIe,PS	1	
UCS-CPU-6132	2.6 GHz 6132/140W 14C/19.25MB Cache/DDR4 2666MHz	2	
UCS-MR-X16G1RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/single rank/x4/1.2v	12	
UCS-HD300G10K12N	300GB 12G SAS 10K RPM SFF HDD	24	
UCSC-PSU1-1050W	Cisco UCS 1050W AC Power Supply for Rack Server	2	
UCSC-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	2	
UCSC-RAID-M5HD	Cisco 12G Modular RAID controller with 4GB cache	1	
R2XX-RAID5	Enable RAID 5 Setting	1	N/A - Config Only

The BE7H-M5's 24 physical disks are configured into four RAID5 volumes of 6 physical disks each.

BOM for BE7H-M6-(K9/XU)

SKU	FRU	Description	Quantity
BE7H-M6-K9 BE7H-M6-XU	UCSC-C240-M6SX=	UCS C240 M6 Rack w/o CPU, mem, drives, 2U w 24	1

BE7H-CPU-M6	UCS-CPU-I6348=	Intel 6348 2.6GHz/235W 28C/42MB DDR4 3200MH	1
BE7K-RAM-M6-M5	UCS-MR-X16G1RW=	16GB RDIMM SRx4 3200 (8Gb)	12
BE7K-RAIDCTRLR-M6	UCSC-RAID-M6SD=	Cisco 12G SAS RAID Controller w/4GB FBWC (16 Drv) w/1U Brkt	1
BE7K-DISK-M6	UCS-HD600G10K12N=	600GB 12G SAS 10K RPM SFF HDD	24
BE7K-NIC-M6	UCSC-P-IQ10GC=	Cisco-Intel X710T4LG 4x10 GbE RJ45 PCIe NIC	2
BE7K-PCIERISER-M6	UCSC-RIS1A-240M6=	C240 M6 Riser1A; (x8;x16x, x8); StBkt; (CPU1)	1
BE7K-PSU	UCSC-PSU1-1050W=	Cisco UCS 1050W AC Power Supply for Rack Server	2
BE7K-TPM-M6	UCSX-TPM-002C=	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for M6 servers	1

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BOM for BE7H-M7 (K9/XU)

	Description	PID	Adopter PID
Leveraged Base Server	UCS-M7-MLB	UCSC-C240-M7SX	
CPU	(16C/2.8GHz)	UCS-CPU-I6526Y	BE7K-CPU-M7
Memory	5600MHz 16GB DIMMs	UCS-MRX16G1RE3	BECE-RAM-M7
Storage	RAID Controller	UCSC-RAID-MP1L32	BE7K-RAIDCTRLR-M7
	600GB 10K SAS HDD	UCS-HD600G10KJ4-D	BECE-DISK-M7
Network + IO	OCP 3.0 MLoM NIC	UCSC-O-ID10GC-D	BECE-OCPNIC-M7
	PCIe NIC (4x10GE SFP+)	UCSC-PCIEIQ10GF-D	BECE-PCIENIC-M7
	10GE Fiber SFP+	SFP-10G-SR	SFP-10G-SR
	10GE Cu RJ45 SFP+	GLC-TE	GLC-TE
	PCIe Riser	UCSC-RIS1A-240-D	BE7K-PCIERISER-M7
Misc.	Power Supplies	UCSC-PSU1-1200W-D	BECE-PSU-M7
	Trusted Platform Module	UCSX-TPM-002C-D	BECE-TPM-M7
	Rack-mounting kit	UCSC-RAIL-D	
(Autoexpands)	Heat sinks for CPU	UCSC-HSHP-C240M7	
	Blanking panel (DIMM slot)	UCS-DDR5-BLK	
	Blanking panel (disk slot)	UCSC-BBLKD-M7	

	Storage cable	CBL-SAS-Y-C240M7	
	RAID Controller Bracket	UCSC-SDBKT-24XM7	
	Daughterboard for OCP NIC	UCSC-OCP3-KIT-D	BECE-MLOMNICKIT-M7
	Blanking panel (Riser2)	UCSC-FBRS2-C240-D	
	Blanking panel (Riser3)	UCSC-FBRS3-C240-D	

MultiParty Media 400v Virtual Telepresence Server Appliance

The MultiParty Media 400v is a UCS adopter product optimized for a virtual Telepresence Server (vTS). This appliance is intended to run the virtualization software and a single vTS virtual machine. The MM400v does not ship with any factory-installed software and customers must purchase and license virtualization software and vTS separately.

MultiParty Media 400v SKUs

SKU	Description	Project Codename*
VTS-LSVR-M3	Cisco MultiParty Media 400v HW-only (UCS M3) No SW preloads or ESXi	Movellan

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the current shipping versions of the MM400v.

BOM for VTS-LSVR-M3

SKU	Description	Quantity	FRU
UCSC-C220-M3S=	SL1 (Ivy Bridge)	1	UCSC-C220-M3S=
CIT3-CPU-E5-2667B=	IC-MP,X86,64BIT,3.3GHz,LGA2011,130W,C-TEMP 0 to 70'C,Xeon E5-2667 v2/8C/25M Cache,IVY BRIDGE-EP,Pb free	2	UCS-CPU-E52667B=
CIT2-MR-1X082RY-A=	8GB DDR3-1600-MHz RDIMM/PC3-12800/dual rank/1.35v	2	UCS-MR-1X082RY-A=
CIT3-A03-D300GA2=	2.5" 300GB, 10K RPM, SAS 6Gb	2	A03-D300GA2=
CIT3-PSU-450W=	450W power supply for C-series rack servers	1	UCSC-PSU-450W=
CIT3-RAID-MZ-220=	Cisco UCS RAID SAS 2008M-8i Mezz Card for C220	1	UCSC-RAID-MZ-220=
R2XX-RAID1=	Enable Raid 1 Setting	1	N/A - Config Only

MultiParty Media 410 Virtual Telepresence Server Appliance

The MultiParty Media 410 is a UCS adopter product optimized for a virtual Telepresence Server (vTS).

This appliance is intended to run the virtualization software and a single vTS virtual machine. The mm410 is available as both a chassis and blade UCS server.

MultiParty Media 410v SKUs

SKU	Description	Project Codename*
CTI-410V-VTS-K9	Cisco Multiparty Media 410v (UCS C220-M4) No SW preloads or ESXi	Blue Steel
CTI-410VB-VTS-K9	Cisco Multiparty Media 410b (UCS B200-M4) No SW preloads or ESXi	Blue Jays

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the current shipping versions of the MM410.

BOM for CTI-410V-VTS-K9

SKU / PID	Description	Quantity	FRU
UCSC-C220-M4S	UCS C220 M4 SFF w/o CPU mem HDD PCIe PSU w/ rail kit	1	UCSC-C220-M4S=
CIT3-CPU-E52690D	2.60 GHz E5-2690 v3/135W 12C/30MB Cache/DDR4 2133MHz	2	UCS-CPU-E52690D=
CIT3-MR-1X081RU-A	8GB DDR4-2133-MHz RDIMM-PC4-17000/single rank/x4/1.2v	8	UCS-MR-1X081RU-A=
CIT3-A03-D300GA2	300GB 6Gb SAS 10K PRM SFF HDD/hot plug/drive sled mounted	2	A03-D300GA2=
CIT3-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2	UCSC-PSU1-770W=
CIT3-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=
R2XX-RAID1=	Enable Raid 1 Setting	1	N/A - Config Only

BOM for CTI-410VB-VTS-K9

SKU / PID	Description	Quantity	FRU
UCSB-B200-M4-U	UCS B200 M4 w/o CPU mem drive bays HDD mezz	1	UCSB-B200-M4=
CIT3-CPU-E52690D	2.60 GHz E5-2690 v3/135W 12C/30MB Cache/DDR4 2133MHz	2	UCS-CPU-E52690D=
CIT3-MR-1X081RU-A	8GB DDR4-2133-MHz RDIMM-PC4-17000/single rank/x4/1.2v	8	UCS-MR-1X081RU-A=
CIT3-A03-D300GA2	300GB 6Gb SAS 10K PRM SFF HDD/hot plug/drive sled mounted	2	A03-D300GA2=
CIT3-MLOM-40G-01	Cisco UCS VIC 1240 modular LOM for M3 blade servers	1	UCSB-MLOM-40G-01=
CIT3-UCSB-MRAID12G	Cisco FlexStorage 12G SAS RAID controller with Drive bays	1	UCSB-MRAID12G=

Cisco Meeting Server 1000

The Cisco Meeting Server 1000 is a UCS adopter product optimized for both virtual Telepresence Server (vTS) and Cisco Meeting Server (CMS, formerly Acano). This appliance is intended to run the virtualization software and a single CMS or vTS virtual machine. The CMS 1000 is only available in a rack-mountable chassis form.

CMS 1000 SKU (M4)

SKU / PID	Description	Project Codename*
CTI-CMS-1000-K9	Cisco Meeting Server 1000	Puffin Island

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the previous (M4) versions of the CMS 1000.

BOM for CTI-CMS-1000-K9 (M4)

SKU/ PID	Description	Quantity	FRU
UCSC-C220-M4S	UCS C220 M4 SFF w/o CPU mem HDD PCIe PSU w/ rail kit	1	UCSC-C220-M4S=
CIT3-CPU-E52695E	2.10 GHz E5-2695 v4/120W 18C/45MB Cache/DDR4 2400MHz	2	UCS-CPU-E52695E=
CIT3-MR-1X081RV-A	8GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	8	UCS-MR-1X081RV-A=
CIT3-HD300G10K12G	300GB 12G SAS 10K RPM SFF HDD	2	UCS-HD300G10K12G=
CIT3-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2	UCSC-PSU1-770W=
CIT3-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=
R2XX-RAID1=	Enable Raid 1 Setting	1	N/A - Config Only

More information:

CMS 1000 SKU (M5)

SKU / PID	Description	Project Codename*
CTI-CMS1KM5-BUN-K9	Cisco Meeting Server 1000	????

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the current shipping versions of the CMS 1000.

BOM for CTI-CMS-1000-K9 (M5)

SKU/ PID	Description	Quantity	FRU
UCS-C-C220-M5SX	UCS C220 M5 SFF 10 HD w/o CPU mem HDD	1	UCSC-C220-

SKU/ PID	Description	Quantity	FRU
	PCIe PSU		M5SX=
UCS-CPU-6140	2.3GHz Xeon Gold 6140 140W 18C 24.75MB Cache	2	UCS-CPU-6140=
UCS-MR-X16G1RS-H	16GB DDR4-2666MHz RDIMM/PC4-21300	8	UCS-MR-X16G1RS-H=
UCS-HD300G10K12N	300GB 12G SAS 10K RPM SFF HDD	2	UCS-HD300G10K12N=
CIMC-LATEST	IMC SW (Recommended) latest release for C-Series Servers	1	
UCSC-PSU1-770W	Cisco UCS 770W AC Power Supply for Rack Server	2	UCSC-PSU1-770W=
UCSC-RAILB-M4	Ball Bearing Rail Kit for C220 & C240 M4 & M5 rack servers	1	UCSC-RAILB-M4=
UCSC-HS-C220M5	Heat sink for UCS C220 M5 rack servers 150W CPUs & below	2	UCSC-HS-C220M5=
UCSC-BBLKD-S2	UCS C-Series M5 SFF drive blanking panel	8	UCSC-BBLKD-S2=
CBL-SC-MR12GM52	Super Cap cable for UCSC-RAID-M5 on C240 M5 Servers	1	CBL-SC-MR12GM52=
UCSC-SCAP-M5	Super Cap for UCSC-RAID-M5, UCSC-MRAID1GB-KIT	1	UCSC-SCAP-M5=
UCSC-RAID-M5	Cisco 12G Modular RAID controller with 2GB cache	1	UCSC-RAID-M5=
C1UCS-OPT-OUT	Cisco ONE Data Center Compute Opt Out Option	1	
R2xx-RAID1	Enable RAID 1 Setting	1	

More information:

CMS 1000 SKU (M6)

SKU / PID	Description	Project Codename*
CTI-CMS-1K-M6-K9	Cisco Meeting Server 1000	????

BOM for CTI-CMS-1000-K9 (M6)

CMS PID	UCS PID	Description	Quantity
CTI-CMS-1K-M6-K9	UCSC-C220-M6S	UCS C220 M6 Rack w/o CPU, mem, drives, 1U wSFF HDD backplane	1
CIT3-CPU-I6336Y	UCS-CPU-I6336Y	Intel 6336Y 2.4GHz/185W 24C/36MB DDR4 3200MHz	2
CIT3-MR-	UCS-MR-X16G1RW	16GB RDIMM SRx4 3200 (8Gb)	16

X16G1RW			
CIT3-SDB960SA1V	UCS-SDB960SA1V	960GB 2.5 inch Enterprise Value 6G SATA SSD	2
CIT3-RAID-220M6	UCSC-RAID-M6T	Cisco 12G SAS RAID Controller w/4GB FBWC (16 Drv) w/1U Brkt	1
CIT3-PSU1-1050W	UCSC-PSU1-1050W	Cisco UCS 1050W AC Power Supply for Rack Server	2
CIT3-TPM-002C	UCSX-TPM-002C	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for M6 servers	1
Auto Expanded PIDs			
	CIMC-LATEST	IMC SW (Recommended) latest release for C-Series Servers	1
	UCS-DIMM-BLK	UCS DIMM Blanks	16
	UCSC-HSLP-M6	Heatsink for 1U/2U LFF/SFF GPU SKU	2
	UCSC-R2R3-C220M6	C220 / C225 M6 UCSC -HH Riser2 and Riser 3 KIT	1
	CBL-SAS-C220M6	C220M6 SAS cable (1U); (Pismo HBA)	1
	CBL-SCAP-C220M6	C220/C240M6 1U/2U Super Cap cable	1
	UCSC-BBLKD-S2	UCS C-Series M5 SFF drive blanking panel	8
	UCS-SCAP-M6	M6 SuperCap	1
	UCSC-RAIL-M6	ASY,MECH,RAIL KIT,BALL BEARING,M6	1

Cisco Meeting Server 2000

The Cisco Meeting Server 2000 is a UCS adopter product optimized for Cisco Meeting Server (CMS, formerly Acano). This appliance is intended to run bare metal. The CMS 2000 is only available in a rack-mountable chassis form.

CMS 2000 SKU

(M4 - sold and shipped from initial release in June 2017 through to February 2019.)

SKU / PID	Description	Project Codename*
CTI-CMS-2K-BUN-K9	Cisco Meeting Server 2000 Hardware and Software Bundle	South Stack

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the previous (M4) versions of the CMS 2000.

BOM for CMS2000 Chassis

(M4 - sold and shipped from initial release in June 2017 through to February 2019.)

SKU/ PID	Description	Quantity	FRU
UCS-SPM-MINI	UCS SP Select 5108 AC2 Chassis w/FI6324	1	UCSB-5108-AC2=
UCSB-PSU-2500ACDV	2500W Platinum AC Hot Plug Power Supply - DV	4	UCSB-PSU-2500ACDV=
N01-UAC1	Single phase AC power module for UCS 5108	1	N01-UAC1=
UCSB-5108-PKG-HW	UCS 5108 Packaging for chassis with half width blades.	1	
UCS-FI-M-6324	UCS 6324 In-Chassis FI with 4 UP, 1x40G ExpPort, 16 10Gb	2	UCS-FI-M-6324=
N10-MGT013	UCS Manager 3.0 for FI 6324 use only	2	
N20-FW014	UCS 5108 BladeChassisFW Package 3.1	1	
N20-FAN5	Fan module for UCS 5108	8	N20-FAN5=
N20-CAK	Accessory kit for UCS 5108 Blade Server Chassis	1	N20-CAK=

BOM for CMS2000 Primary Blade

(M4 - sold and shipped from initial release in June 2017 through to February 2019.)

SKU/ PID	Description	Quantity	FRU
UCSB-B200-M4-U	UCS B200 M4 w/o CPU, mem, drive bays, HDD, mezz(UPG)	1	UCSB-B200-M4=
UCS-CPU-E52695E	2.10 GHz E5-2695 v4/120W 18C/45MB Cache/DDR4 2400MHz	2	UCS-CPU-E52695E=
UCSB-MLOM-40G-03	Cisco UCS VIC 1340 modular LOM for blade servers	1	UCSB-MLOM-40G-03=
UCSB-MLOM-PT-01	Cisco UCS Port Expander Card (mezz) for VIC	1	UCSB-MLOM-PT-01=
UCSB-HS-EP-M4-R	CPU Heat Sink for UCS B200 M4/B420 M4 (Rear)	1	UCSB-HS-EP-M4-R=
UCSB-HS-EP-M4-F	CPU Heat Sink for UCS B200 M4/B420 M4 (Front)	1	UCSB-HS-EP-M4-F=
C1UCS-OPT-OUT	Cisco ONE Data CenterCompute Opt Out OptionSingleLicense Key	1	
UCS-HD300G10K12G	300GB 12G SAS 10K RPM SFF HDD	2	UCS-HD300G10K12G=
UCSB-MRAID12G	Cisco FlexStorage12G SAS RAID controller with Drive bays	1	UCSB-MRAID12G=
UCS-MR-1X081RV-A	8GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	8	UCS-MR-1X081RV-A=

BOM for CMS2000 Secondary Blades

(M4 - sold and shipped from initial release in June 2017 through to February 2019.)

SKU/ PID	Description	Quantity	FRU
UCSB-B200-M4-U	UCS B200 M4 w/o CPU, mem, drive bays, HDD, mezz(UPG)	7	UCSB-B200-M4=
UCS-CPU-E52695E	2.10 GHz E5-2695 v4/120W 18C/45MB Cache/DDR4 2400MHz	14	UCS-CPU-E52695E=
UCSB-MLOM-40G-03	Cisco UCS VIC 1340 modular LOM for blade servers	7	UCSB-MLOM-40G-03=
UCSB-MLOM-PT-01	Cisco UCS Port Expander Card (mezz) for VIC	7	UCSB-MLOM-PT-01=
UCSB-HS-EP-M4-R	CPU Heat Sink for UCS B200 M4/B420 M4 (Rear)	7	UCSB-HS-EP-M4-R=
UCSB-HS-EP-M4-F	CPU Heat Sink for UCS B200 M4/B420 M4 (Front)	7	UCSB-HS-EP-M4-F=
C1UCS-OPT-OUT	Cisco ONE Data CenterCompute Opt Out OptionSingleLicense Key	7	
UCSB-LSTOR-BK	FlexStorageblanking panels w/o controller, w/o drive bays	14	UCSB-LSTOR-BK=
UCS-MR-1X081RV-A	8GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	56	UCS-MR-1X081RV-A=

CMS 2000 SKU

(M5 - sold and shipped from February 2019.)

SKU / PID	Description	Project Codename*
CTI-CMS2KM5-BUN-K9	Cisco Meeting Server 2000 Hardware and Software Bundle	???

*Project Codename is where the product was first introduced. Later programs may introduce hardware and software pre-load updates.

The tables below show the BOM for the current shipping versions of the CMS 2000.

BOM for CMS2000 Chassis

(M5 - sold and shipped from February 2019.)

SKU/ PID	Description	Quantity	FRU
UCSB-5108-AC2	UCS 5108 Blade Server AC2 Chassis, 0 PSU/8 fans/0 FEX	1	UCSB-5108-AC2=
UCSB-PSU-2500ACDV	2500W Platinum AC Hot Plug Power Supply -DV	4	UCSB-PSU-2500ACDV=
N01-UAC1	Single phase AC power module for UCS 5108	1	N01-UAC1=
UCSB-5108-PKG-HW	UCS 5108 Packaging for chassis with half width blades.	1	
UCS-FI-M-6324	UCS 6324 In-Chassis FI with 4 UP, 1x40G	2	UCS-FI-M-6324=

SKU/ PID	Description	Quantity	FRU
	ExpPort, 16 10Gb		
N10-MGT016	UCS Manager v4.0	2	
N20-FW016	UCS 5108 Blade Chassis FW Package 4.0	1	
N20-FAN5	Fan module for UCS 5108	8	N20-FAN5=
N20-CAK	Accessory kit for UCS 5108 Blade Server Chassis	1	N20-CAK=

BOM for CMS2000 Primary Blade

(M5 - sold and shipped from February 2019.)

SKU/ PID	Description	Quantity	FRU
UCSB-B200-M5	UCS B200 M4 w/o CPU, mem, drive bays, HDD, mezz(UPG)	1	UCSB-B200-M5=
UCS-CPU-6140	2.3 GHz 6140/140W 18C/24.75MB Cache/DDR4 2666MHz	2	UCS-CPU-6140=
UCSB-MLOM-40G-03	Cisco UCS VIC 1340 modular LOM for blade servers	1	UCSB-MLOM-40G-03=
UCSB-MLOM-PT-01	Cisco UCS Port Expander Card (mezz) for VIC	1	UCSB-MLOM-PT-01=
UCSB-HS-M5-R	CPU Heat Sink for UCS B-Series M5 CPU socket (Rear)	1	UCSB-HS-M5-R=
UCSB-HS-M5-F	CPU Heat Sink for UCS B-Series M5 CPU socket (Front)	1	UCSB-HS-M5-R=
C1UCS-OPT-OUT	Cisco ONE Data CenterCompute Opt Out OptionSingleLicense Key	1	
UCS-HD300G10K12G	300GB 12G SAS 10K RPM SFF HDD	2	UCS-HD300G10K12G=
UCSB-MRAID12G	Cisco FlexStorage12G SAS RAID controller with Drive bays	1	UCSB-MRAID12G=
UCS-MR-X16G1RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/single rank/x4/1.2v	8	UCS-MR-X16G1RS-H=
UCS-DIMM-BLK	UCS DIMM Blanks	12	UCS-DIMM-BLK=

BOM for CMS2000 Secondary Blades

(M5 - sold and shipped from February 2019.)

SKU/ PID	Description	Quantity	FRU
UCSB-B200-M5	UCS B200 M4 w/o CPU, mem, drive bays, HDD, mezz(UPG)	7	UCSB-B200-M5=
UCS-CPU-6140	2.3 GHz 6140/140W 18C/24.75MB Cache/DDR4 2666MHz	14	UCS-CPU-6140=
UCSB-MLOM-40G-03	Cisco UCS VIC 1340 modular LOM for blade servers	7	UCSB-MLOM-40G-03=
UCSB-MLOM-PT-01	Cisco UCS Port Expander Card (mezz) for VIC	7	UCSB-MLOM-PT-01=
UCSB-HS-M5-R	CPU Heat Sink for UCS B-Series M5 CPU socket (Rear)	7	UCSB-HS-M5-R=
UCSB-HS-M5-F	CPU Heat Sink for UCS B-Series M5 CPU socket (Front)	7	UCSB-HS-M5-F=
C1UCS-OPT-OUT	Cisco ONE Data CenterCompute Opt Out OptionSingleLicense Key	7	
UCSB-LSTOR-BK	FlexStorageblanking panels w/o controller, w/o drive bays	14	UCSB-LSTOR-BK=
UCS-MR-X16G1RS-H	16GB DDR4-2666-MHz RDIMM/PC4-21300/single rank/x4/1.2v	56	UCS-MR-X16G1RS-H=
UCS-DIMM-BLK	UCS DIMM Blanks	12	UCS-DIMM-BLK=

BOM for CMS2000 Chassis (M6)

CTI-CMS-2K-M6-K9			
CIT3-FAN5	N20-FAN5	Fan module for UCS 5108	8
CIT3-PSUT2500ACDV	UCSB-PSUT2500ACDV	2500W Titanium AC Hot Plug Power Supply - DV	4
CIT3-UAC1	N01-UAC1	Single phase AC power module for UCS 5108	1
CIT3-FI-M-6324	UCS-FI-M-6324	UCS 6324 In-Chassis FI with 4 UP, 1x40G Exp Port, 16 10Gb	2
CIT3-5108-PKG-HW	UCSB-5108-PKG-HW	UCS 5108 Packaging for chassis with half width blades.	1

BOM for CMS2000 Control Blade (M6)

CIT3-B200-M6-CON	UCSB-B200-M6	CMS Control Blade	
CIT3-CPU-I6336Y	UCS-CPU-I6336Y	Intel 6336Y 2.4GHz/185W 24C/36MB DDR4 3200MHz	2
CIT3-MR-X16G1RW	UCS-MR-X16G1RW	16GB RDIMM SRx4 3200 (8Gb)	16
CIT3-RAID12G-M6	UCSB-RAID12G-M6	Cisco M6 FlexStorage 12G SAS RAID Controller	1
CIT3-SDC960SA1V	UCS-SDC960SA1V	960GB 2.5 inch Enterprise Value 6G SATA SSD	2
CIT3-MLOM-40G-04	UCSB-MLOM-40G-04	Cisco UCS VIC 1440 modular LOM for Blade Servers	1
CIT3-MLOM-PT-01	UCSB-MLOM-PT-01	Cisco UCS Port Expander Card (mezz) for VIC	1
CIT3-TPM-002C	UCSX-TPM-002C	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for M6 servers	1

BOM for CMS2000 Media Blades (M6)

CIT3-B200-M6	UCSB-B200-M6-U	CMS Media Blade	
CIT3-CPU-I6336Y	UCS-CPU-I6336Y	Intel 6336Y 2.4GHz/185W 24C/36MB DDR4 3200MHz	14
CIT3-MR-X16G1RW	UCS-MR-X16G1RW	16GB RDIMM SRx4 3200 (8Gb)	112
CIT3-MLOM-40G-04	UCSB-MLOM-40G-04	Cisco UCS VIC 1440 modular LOM for Blade Servers	7
CIT3-MLOM-PT-01	UCSB-MLOM-PT-01	Cisco UCS Port Expander Card (mezz) for VIC	7
	N20-CAK	Access. kit for 5108 Blade Chassis incl Railkit,	1

		KVM dongle	
	N20-FW018	UCS 5108 Blade Chassis FW Package 4.2	8
	UCSB-HS-M6-F	CPU Heat Sink for UCS B-Series M6 CPU socket (Front)	8
	UCSB-HS-M6-R	CPU Heat Sink for UCS B-Series M6 CPU socket (Rear)	8
	UCS-DIMM-BLK	UCS DIMM Blanks	128
	N10-MGT018	UCS Manager v4.2 and Intersight Managed Mode v4.2	1
	UCSB-FBLK-M6	Cisco B200 M6 Front Drive Blank Sleds	14
	N20-CBLKB1	Blade slot blanking panel for UCS 5108/single slot	7

Older PIDs

SKU / PID	Description	End of Sale?
UCSC-C220-M3SBE	Medium TRC#2, HW Only equivalent of original BE6K MD	N

Telepresence Content Server

The Telepresence Content Server is a UCS adopter product optimized for TelePresence® Content Server (TCS). Organizations can share knowledge and enhance communication by recording videoconferences. They can access live and on-demand presentations, distance education classes, and corporate training sessions. In addition, TCS can distribute live or recorded content to any computer or download to your favorite portable media device. Cisco TelePresence Content Server is available as a dedicated appliance or as a virtualized application on VMware. This appliance is intended to run bare metal.

TCS SKU

SKU / PID	Description	Project Codename*
TCS-M4-PROBUN-K9	TCS with 5 Record/ 2 Live with Premium Resolution licenses	Sonoma Beach
TCS-M4-PRO10P-K9	TCS with 10 Record/ 2 Live with Premium Resolution licenses	Sonoma Beach

SKU / PID	Description	Project Codename*

BOM for TCS SKUS (M4 BOM is the same for all PIDS listed above)

CITG Adopter PID	SAVBU PN	Description	QTY	SAVBU FRU
TCS-M4-PROBUN-K9 TCS-M4-PRO10P-K9	UCSC-C220-M4S	UCS C220 M4 SFF w/o CPU mem HD PCIe PSU rail kit	1	UCSC-C220-M4S=
CVC-CPU-E52640D	UCS-CPU-E52640D	2.60 GHz E5-2640 v3/90W 8C/20MB Cache/DDR4 1866MHz	2	UCS-CPU-E52640D=
CVC-MR-1X081RU-A	UCS-MR-1X081RU-A	8GB DDR4-2133-MHz RDIMM/PC4-17000/single rank/x4/1.2v	4	UCS-MR-1X081RU-A=
CVC-A03-D600GA2	A03-D600GA2	600GB 6Gb SAS 10K RPM SFF HDD/hot plug/drive sled mounted	2	A03-D600GA2=
UCSC-RAILB-M4	UCSC-RAILB-M4	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	1	UCSC-RAILB-M4=
CVC-PSU1-770W	UCSC-PSU1-770W	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	2	UCSC-PSU1-770W=
CAB-9K12A-NA	CAB-9K12A-NA	Power Cord 200/240V 6A North America	2	CAB-9K12A-NA=
UCSC-SCCBL220	UCSC-SCCBL220	Supercap cable 950mm	1	UCSC-SCCBL220=
UCSC-HS-C220M4	UCSC-HS-C220M4	Heat sink for UCS C220 M4 rack servers	2	UCSC-HS-C220M4=
UCSC-MLOM-BLK	UCSC-MLOM-BLK	MLOM Blanking Panel	1	UCSC-MLOM-BLK=
N20-BBLKD	N20-BBLKD	UCS 2.5 inch HDD blanking panel	6	N20-BBLKD=
CVC-MRAID12G	UCSC-MRAID12G	Cisco 12G SAS Modular Raid Controller	1	UCSC-MRAID12G=

CITG Adopter PID	SAVBU PN	Description	QTY	SAVBU FRU
CVC-PCIE-IRJ45	UCSC-PCIE-IRJ45	Intel i350 Quad Port 1Gb Adapter	1	UCSC-PCIE-IRJ45=

Expressway CE

CE1xK SKUs

SKU	Description	Project Codename
CE1400V-M7-K9	Cisco Expressway CE1400V Appliance	KreeAC4

The tables below show the BOM for the current shipping versions of the CE1xK.

BOM for CE1400V-M7-K9

	Description	PID	Adopter PID
Leveraged Base Server	UCS-M7-MLB	UCSC-C220-M7S	
CPU	(16C/3.6GHz)	UCS-CPU-I6544Y	CE-CPU-M7
Memory	5600MHz 16GB DIMMs	UCS-MRX16G1RE3	BECE-RAM-M7
Storage	RAID Controller	UCSC-RAID-M1L16	BE6CE-RAIDCTRLR-M7
	600GB 10K SAS HDD	UCS-HD600G10KJ4-D	BECE-DISK-M7
Network + IO	OCP 3.0 MLoM NIC	UCSC-O-ID10GC-D	BECE-OCPNIC-M7
	PCIe NIC (4x10GE SFP+)	UCSC-PCIEIQ10GF-D	BECE-PCIENIC-M7
	10GE Fiber SFP+	SFP-10G-SR	SFP-10G-SR
	10GE Cu RJ45 SFP+	GLC-TE	GLC-TE
	PCIe Riser	UCSC-RIS1A-22XM7	BE6CE-PCIERISR1-M7
		UCSC-RIS2A-22XM7	CE-PCIERISER2-M7
Misc.	Power Supplies	UCSC-PSU1-1200W-D	BECE-PSU-M7

	Trusted Platform Module	UCSX-TPM-002C-D	BECE-TPM-M7
	Rack-mounting kit	UCSC-RAIL-D	
(Autoexpands)	Heat sinks for CPU	UCSC-HSLP-C220M7	
	Blanking panel (DIMM slot)	UCS-DDR5-BLK	
	Blanking panel (disk slot)	UCSC-BBLKD-M7	
	Storage cable	CBL-SAS-Y-C220M7	
	RAID Controller Bracket	UCSC-HPBKT-22XM7	
	Daughterboard for OCP NIC	UCSC-OCP3-KIT-D	BECE-MLOMNICKIT-M7
	Blanking panel (Riser3)	UCSC-FBRS-C220-D	

External References

- EDCS-1100687
- [BE6K Data Sheets](#)
- [BE7K Data Sheets](#)
- [TelePresence Server Data Sheet](#)
- [Cisco.com UC Virtualization Landing Page](#)
- TechZone:
- Techzone:
- [Cisco TelePresence Content Server Data Sheet](#)