

Cisco Secure Email

Migrating from an Older HW Model to a New
Virtual Environment

February 2024

Disclaimer

This document provides guidance for Email appliance migration to a new virtual environment. The hardware and products proposed are the most recommended ones at the time of writing. The products proposed in this document may change in the future.

Customers and partners are responsible for confirming that the hardware configuration has all the required components to meet the solution requirements. Please refer to the Additional Resources for the Sizing tool link.



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Table of Contents

Introduction	1
Overview	1
Migration paths	2
Email Security Appliance Migration path	2
Secure Management Appliance Migration path	5
Deployment design guide.....	10
Up to 1K users	10
Up to 10K users	11
Up to 50K users	12
Up to 100K users	13
Additional Resources	15
Cisco Secure Email Gateway Sizing tool	15
https://www.cisco.com/c/dam/en/us/td/docs/security/content_security/virtual_appliances/Cisco_Content_Security_Virtual_Appliance_Install_Guide.pdf	15
ESA/SMA Virtual Deployment FAQ	15
How to Load or Migrate ESA Configuration on a Replacement ESA	15

Introduction

Cisco has decided to end the sales for the dedicated x95 email appliances that were supported on Cisco UCS C-Series.

Customers with email appliances can still maintain those until the last day of hardware support which is 30-Sep-2028.

New customers looking to deploy on-premises or with email appliances already out of hardware support should use this document to prepare their deployment/migration.

Overview

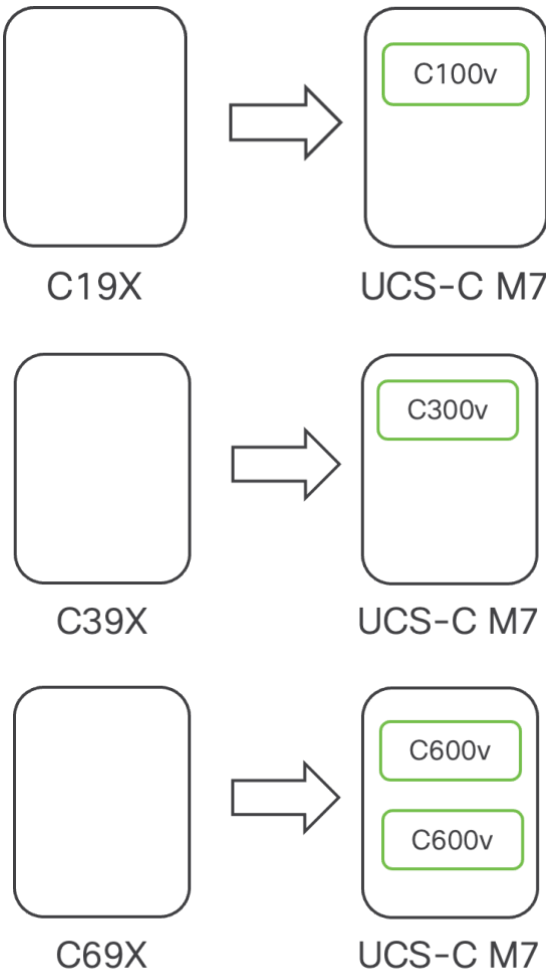
The goal of this document is to provide guidance about the required Cisco UCS M7 hardware that matches the current X9X email appliances. We will provide a 1:1 comparison as well as some <scaling> scenarios for 1K, 10K, 50K, and 100K mailboxes.

The hardware recommended for the 1:1 replacement is the one available at the time of this writing. New hardware like CPU, Disks, Memories, etc., might become available making the configuration obsolete or not cost-optimized.

Cisco will update this document as frequently as possible, to make sure the information present here is as accurate as possible.

Migration paths

Email Security Appliance Migration path



Hardware requirements to migrate from C19X

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1

UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	1
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	9
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	31
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1
UCSC-PSU-BLK-D	Power Supply Blanking Panel for M7 / M8 servers	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	1
UCS-MRX16G1RE1	16GB DDR5-4800 RDIMM 1Rx8 (16Gb)	1
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCS-SD240GBM1XEVD	240GB 2.5in Enter Value 6G SATA Micron G2 SSD	1
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	1
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	1
UCS-SID-INFR-UNK-D	Unknown	1

Hardware requirements to migrate from C39X

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1

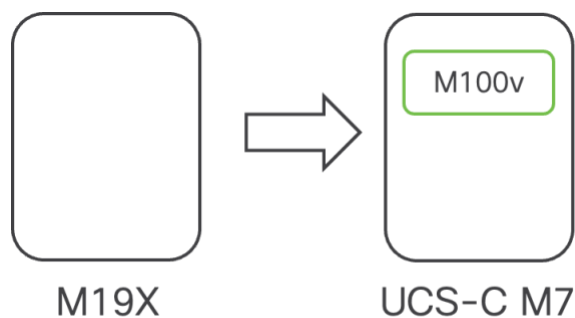
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	1
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	9
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	31
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1
UCSC-PSU-BLK-D	Power Supply Blanking Panel for M7 / M8 servers	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	1
UCS-MRX32G1RE1	32GB DDR5-4800 RDIMM 1Rx4 (16Gb)	1
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCS-SD960GBM1XEVD	960GB 2.5in Enter Value 6G SATA Micron G2 SSD	1
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	1
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	1
UCS-SID-INFR-UNK-D	Unknown	1

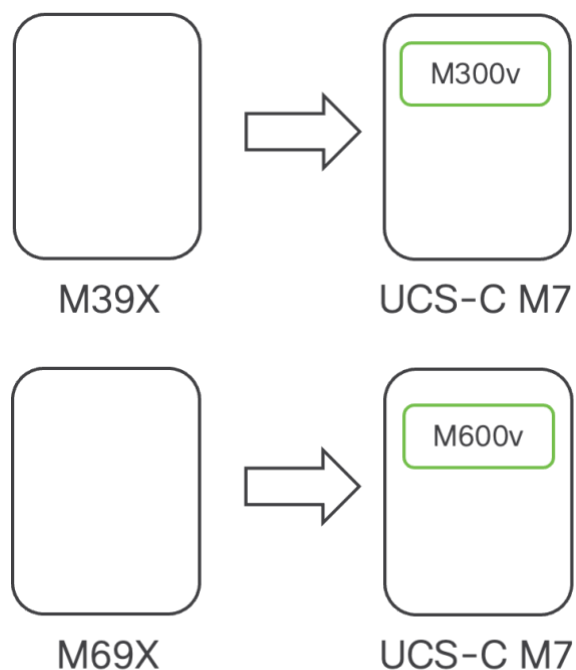
Hardware requirements to migrate from C69X

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1

CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	2
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	9
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	30
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	2
UCS-MRX32G1RE1	32GB DDR5-4800 RDIMM 1Rx4 (16Gb)	2
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCS-SD960GBM1XEVD	960GB 2.5in Enter Value 6G SATA Micron G2 SSD	1
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	2
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	2
UCS-SID-INFR-UNK-D	Unknown	1
UCS-SID-WKL-UNK-D	Unknown	1

Secure Management Appliance Migration path





Hardware requirements to migrate from M19X

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	1
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	9
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	31
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1

CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1
UCSC-PSU-BLK-D	Power Supply Blanking Panel for M7 / M8 servers	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	1
UCS-MRX16G1RE1	16GB DDR5-4800 RDIMM 1Rx8 (16Gb)	1
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCSSD480G6I1XEVD	480 GB 2.5in Enter Value 6G SATA Intel SSD	1
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	1
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	1
UCS-SID-INFR-UNK-D	Unknown	1

Hardware requirements to migrate from M39X

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	1
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	9
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	31
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1

UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1
UCSC-PSU-BLK-D	Power Supply Blanking Panel for M7 / M8 servers	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	1
UCS-MRX32G1RE1	32GB DDR5-4800 RDIMM 1Rx4 (16Gb)	1
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCS-SD19T6S1XEVD	1.9TB 2.5in Enter Value 6G SATA Samsung SSD	1
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	1
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	1
UCS-SID-INFR-UNK-D	Unknown	1

Hardware requirements to migrate from M69X

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	1
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	8
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	31
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1

UCSC-PSU-BLK-D	Power Supply Blanking Panel for M7 / M8 servers	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	1
UCSC-RIS3H-220M6	C220 M6 Riser3 HH;1 x16; LPBkt; (CPU2)	1
UCS-MR-X32G1RW	32GB RDIMM SRx4 3200 (16Gb)	2
UCS-CPU-I5317	Intel 5317 3.0GHz/150W 12C/18MB DDR4 2933MHz	2
UCS-HD24TB10K4KN	2.4 TB 12G SAS 10K RPM SFF HDD (4K)	4
DC-MGT-OPTOUT	Intersight Opt Out	1
OPTOUT-OTHER	Customer using alternate systems mgt. tool: Other	1

Deployment design guide

The following configurations should be utilized as guidelines for the number of users mentioned. For more accurate server requirements, please go to this site: <https://fwm.cisco.com/>

These configurations were made using the default values on the mentioned site.

Up to 1K users

Year	Projected Messages Per Day	Number of Secure Email Gateway (without standby unit)		
		C100V	C300V	C600V
1	3,520	1	1	1
2	3,872	1	1	1
3	4,260	1	1	1

1x UCS-C M7 Server with 1x C100v running

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	1
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	9
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	31
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1

UCSC-PSU-BLK-D	Power Supply Blanking Panel for M7 / M8 servers	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	1
UCS-MRX16G1RE1	16GB DDR5-4800 RDIMM 1Rx8 (16Gb)	1
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCS-SD240GBM1XEVD	240GB 2.5in Enter Value 6G SATA Micron G2 SSD	1
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	1
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	1
UCS-SID-INFR-UNK-D	Unknown	1

Up to 10K users

Year	Projected Messages Per Day	Number of Secure Email Gateway (without standby unit)		
		C100V	C300V	C600V
1	352,000	3	3	2
2	387,200	4	3	3
3	425,920	4	3	3

1x UCS-C M7 Server with 3x C300v running.

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	1
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	1
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	1
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	1
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	1
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	2
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	8
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	30
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	1

UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	1
CBL-SATA-C220-D	SATA cable C220M7 (1U)	1
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	1
UCS-CPU-I4410T	Intel I4410T 2.7GHz/150W 10C/26.25MB DDR5 4000MT/s	2
UCS-MRX32G1RE1	32GB DDR5-4800 RDIMM 1Rx4 (16Gb)	2
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	1
UCS-SD19TBM1XEVD	1.9TB 2.5in Enter Value 6G SATA Micron G2 SSD	2
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	2
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	2
UCS-SID-INFR-UNK-D	Unknown	1
UCS-SID-WKL-UNK-D	Unknown	1
CNDL-DESELECT-D	Conditional Deselect	1
OPTOUT-EA-ONLY	License not needed: Customer already owns Licenses in an EA	1

Up to 50K users

Year	Projected Messages Per Day	Number of Secure Email Gateway (without standby unit)		
		C100V	C300V	C600V
1	1,760,000	15	11	10
2	1,936,000	17	13	11
3	2,129,600	19	14	12

2x UCS-C M7 Servers with 12x C600v running

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	2
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	2
UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	2
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	2
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	2

UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	4
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	16
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	60
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	2
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	2
CBL-SATA-C220-D	SATA cable C220M7 (1U)	2
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	2
UCS-CPU-I8462Y+	Intel I8462Y+ 2.8GHz/300W 32C/60MB DDR5 4800MT/s	4
UCS-MRX64G2RE1	64GB DDR5-4800 RDIMM 2Rx4 (16Gb)	4
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	2
UCS-SD19TBM1XEV-D	1.9TB 2.5in Enter Value 6G SATA Micron G2 SSD	4
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	4
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	4
UCS-SID-INFR-UNK-D	Unknown	2
UCS-SID-WKL-UNK-D	Unknown	2
CNDL-DESELECT-D	Conditional Deselect	1
OPTOUT-EA-ONLY	License not needed: Customer already owns Licenses in an EA	1

Up to 100K users

Year	Projected Messages Per Day	Number of Secure Email Gateway (without standby unit)		
		C100V	C300V	C600V
1	3,520,000	30	22	20
2	3,872,000	33	25	22
3	4,259,200	37	27	24

4x UCS-C M7 Servers with 24x C600v running

PID	Description	Quantity
UCS-M7-MLB	UCS M7 RACK MLB	1
UCSC-C220-M7S	UCS C220 M7 Rack w/oCPU, mem, drv, 1U wSFF HDD/SSD backplane	4
CON-L1NCO-UCSCUC27	CX LEVEL 1 8X7XNCDOS UCS C220 M7 Rack w/oCPU, mem, drv, 1U w	4

UCSX-TPM-002C-D	TPM 2.0, TCG, FIPS140-2, CC EAL4+ Certified, for servers	4
UCSC-RAIL-NONE-D	NO RAIL KIT OPTION	4
CIMC-LATEST-D	IMC SW (Recommended) latest release for C-Series Servers.	4
UCSC-HSLP-C220M7	UCS C220 M7 Heatsink for & C240 GPU Heatsink	8
UCSC-BBLKD-M7	UCS C-Series M7 SFF drive blanking panel	32
UCS-DDR5-BLK	UCS DDR5 DIMM Blanks	120
UCSC-SATAIN-220M7	UCS C220 M7 SATA Interposer Board	4
UCSC-FBRS-C220-D	C220M7 HH Riser3 blank	4
CBL-SATA-C220-D	SATA cable C220M7 (1U)	4
UCSC-FBRS2-C220M7	C220 M7 Riser2 HH Filler Blank	4
UCS-CPU-I8462Y+	Intel I8462Y+ 2.8GHz/300W 32C/60MB DDR5 4800MT/s	8
UCS-MRX64G2RE1	64GB DDR5-4800 RDIMM 2Rx4 (16Gb)	8
UCSC-RIS1A-22XM7	UCS C-Series M7 1U Riser 1A PCIe Gen4 x16 HH	4
UCS-SD19TBM1XEVD	1.9TB 2.5in Enter Value 6G SATA Micron G2 SSD	8
UCSC-PSU1-1200W-D	1200W Titanium power supply for C-Series Servers	8
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	8
UCS-SID-INFR-UNK-D	Unknown	4
UCS-SID-WKL-UNK-D	Unknown	4
CNDL-DESELECT-D	Conditional Deselect	1
OPTOUT-EA-ONLY	License not needed: Customer already owns Licenses in an EA	1

Additional Resources

Please leverage the following guide to support you on the ESA/SMA configuration migration from appliance to virtual model:

Cisco Secure Email Gateway Sizing tool

<https://fwm.cisco.com/>

Cisco Secure Email Virtual Gateway and Secure Email and Web Manager Virtual Appliance Installation Guide

https://www.cisco.com/c/dam/en/us/td/docs/security/content_security/virtual_appliances/Cisco_Content_Security_Virtual_Appliance_Install_Guide.pdf

ESA/SMA Virtual Deployment FAQ

<https://www.cisco.com/c/en/us/support/docs/security/email-security-virtual-appliance/215466-esa-sma-virtual-deployment-faq.html>

How to Load or Migrate ESA Configuration on a Replacement ESA

<https://www.cisco.com/c/en/us/support/docs/security/email-security-appliance/214131-how-to-load-or-migrate-esa-configuration.html>