

Oracle Hardware ECCN Matrix

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Oracle Compute Cloud@Customer

Product	ECCN / Eligible License Exception
Oracle Compute Cloud@Customer	5A002.a.3 / ENC 740.17(b)(1)
Oracle Compute Cloud@Customer GPU Expansion	5A002.z.1.a / TPP of 1 GPU Node with 4x NVIDIA L40S GPUs is 23,488.

Oracle Exadata Cloud@Customer

Product	ECCN / Eligible License Exception
Oracle Exadata Cloud@Customer X11M	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exadata Cloud@Customer X10M	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exadata Cloud@Customer X9M	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exadata Cloud@Customer X8-2 / X8M	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exadata Cloud@Customer X7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Cloud@Customer X7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exadata Cloud@Customer X6-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Cloud Machine X6-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Public Cloud Machine X6	5A002.a.3 / ENC 740.17(b)(1)

Oracle Exadata Database Machine

Product	ECCN / Eligible License Exception
Exadata Database Machine X11M	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X10M	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X9M-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X9M-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X8-2 / X8M-2	5A002.a.3 / ENC 740.17(b)(1)

Exadata Database Machine X8-8 / X8M-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X7-2 / X7-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X6-2 / X6-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine SL6	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X5-2, X5-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X4-2, X4-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X3-2, X3-8	5A002.a.3 / ENC 740.17(b)(1)
Exadata Database Machine X2-2, X2-8	5A002.a.3 / ENC 740.17(b)(1)

Exadata Storage Expansion Rack

Product	ECCN / Eligible License Exception
Exadata Storage Expansion X11M	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion X10M	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion X9M-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X8-2 / X8M-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X7-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X6-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X5-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X4-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X3-2	5A002.a.3 / ENC 740.17(b)(1)
Exadata Storage Expansion Rack X2-2	5A002.a.3 / ENC 740.17(b)(1)

Oracle Database Appliance

Product	ECCN / Eligible License Exception
Oracle Database Appliance X11-S / X11-L / X11-HA	5A992.c / NLR
Oracle Database Appliance X10-S / X10-L / X10-HA	5A992.c / NLR
Oracle Database Appliance X9-2S / X9-2L / X9-2-HA	5A992.c / NLR
Oracle Database Appliance X8-2S / X8-2M / X8-2-HA	5A992.c / NLR
Oracle Database Appliance X7-2S / X7-2M / X7-2-HA	5A992.c / NLR
Oracle Database Appliance X6-2S / X6-2M / X6-2L / X6-2-HA	5A992.c / NLR
Oracle Database Appliance X5-2	5A992.c / NLR
Oracle Database Appliance X4-2	5A992.c / NLR
Oracle Database Appliance X3-2	5A992.c / NLR

Oracle Private Cloud Appliance

Product	ECCN / Eligible License Exception
Oracle Private Cloud Appliance GPU Expansion Option	5A002.z.1.a * TPP of 1 GPU Node with 4x NVIDIA L40S GPUs is 23,488.
Oracle Private Cloud Appliance X10	5A002.a.3 / ENC 740.17(b)(1)

Oracle Private Cloud Appliance X9-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Private Cloud Appliance X8-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Private Cloud Appliance X7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Private Cloud Appliance X6-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Private Cloud Appliance X5-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Virtual Compute Appliance X4-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Virtual Compute Appliance X3-2	5A002.a.3 / ENC 740.17(b)(1)

Oracle Roving Edge

Product	ECCN / Eligible License Exception
Oracle Roving Edge Device	5A002.a.3 / ENC 740.17(b)(1)
Oracle Roving Edge Device with GPU	5A002.z.1.a * TPP of 1 Roving Edge Device with 3x NVIDIA L4 GPUs is 5,856
Oracle Roving Edge Ultra	5A002.a.3 / ENC 740.17(b)(1)

Oracle Zero Data Loss Recovery Appliance

Product	ECCN / Eligible License Exception
Oracle Zero Data Loss Recovery Appliance RA23	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance RA21	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X9M	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X8M	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X8	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X7	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X6	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X5	5A002.a.3 / ENC 740.17(b)(1)
Oracle Zero Data Loss Recovery Appliance X4	5A002.a.3 / ENC 740.17(b)(1)

Oracle Big Data Appliance

Product	ECCN / Eligible License Exception
Oracle Big Data Appliance X8-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Appliance X7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Appliance X6-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Appliance X5-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Appliance X4-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Big Data Appliance X3-2	5A002.a.3 / ENC 740.17(b)(1)

Oracle x86 Servers

Product	ECCN / Eligible License Exception
Oracle Server X9-2 / X9-2L	5A992.c / NLR
Oracle Server X8-2 / X8-2L	5A992.c / NLR

Oracle Server X8-8	5A992.c / NLR
Oracle Server X7-2 / X7-2L	5A992.c / NLR
Oracle Server X7-8	5A992.c / NLR
Oracle Server X6-2 / X6-2L	5A992.c / NLR
Oracle Server X5-2 / X5-2L	5A992.c / NLR
Oracle Server X5-4	5A992.c / NLR
Oracle Server X5-8	5A992.c / NLR
Sun Server X4-2 / X4-2L	5A992.c / NLR
Sun Server X4-4	5A992.c / NLR
Sun Server X4-8	5A992.c / NLR

SPARC Servers

Product	ECCN / Eligible License Exception
SPARC64	
Fujitsu SPARC M12-1 Server	5A992.c / NLR
Fujitsu SPARC M12-2 Server	5A992.c / NLR
Fujitsu SPARC M12-2S Server	5A992.c / NLR
Fujitsu M10-1 Server	5A992.c / NLR
Fujitsu M10-4 Server	5A992.c / NLR
Fujitsu M10-4S Server	5A992.c / NLR
Sun SPARC Enterprise M3000 Server	5A992.c / NLR
Sun SPARC Enterprise M4000 Server	5A992.c / NLR
Sun SPARC Enterprise M5000 Server	5A992.c / NLR
Sun SPARC Enterprise M8000 Server	5A992.c / NLR
Sun SPARC Enterprise M9000 Server	5A992.c / NLR
SPARC M	
SPARC M8-8 Server	5A992.c / NLR
SPARC M7-8 Server	5A992.c / NLR
SPARC M7-16 Server	5A992.c / NLR
SPARC M6-32 Server	5A992.c / NLR
SPARC M5-32 Server	5A992.c / NLR
SPARC S	
SPARC S7-2 Server	5A992.c / NLR
SPARC S7-2L Server	5A992.c / NLR
SPARC T	
SPARC T8-1 Server	5A992.c / NLR
SPARC T8-2 Server	5A992.c / NLR
SPARC T8-4 Server	5A992.c / NLR

Oracle Storage

Product	ECCN / Eligible License Exception
NAS	
Oracle ZFS Storage Appliance Racked System ZS11-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance Racked System ZS9-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance Racked System ZS7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance Racked System ZS5-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance Racked System ZS5-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS11-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS9-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS5-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS5-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS4-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS3-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS3-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Storage Appliance ZS3-BA (Backup Appliance)	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Backup Appliance ZS7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Backup Appliance ZS5-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle ZFS Backup Appliance ZS5-2	5A002.a.3 / ENC 740.17(b)(1)
Sun ZFS Storage 7120	5A002.a.3 / ENC 740.17(b)(1)
Sun ZFS Storage 7320	5A002.a.3 / ENC 740.17(b)(1)
Sun ZFS Storage 7420	5A002.a.3 / ENC 740.17(b)(1)
Fibre/SAN	
Oracle All Flash FS Storage System	5A002.a.3 / ENC 740.17(b)(1)
Oracle FS1-2 Flash Storage System	5A002.a.3 / ENC 740.17(b)(1)
Pillar Axiom 600 Storage System	5A002.a.3 / ENC 740.17(b)(1)
Expansion Trays	
Oracle Storage Drive Enclosure DE3-24C, DE3-24P	5A992.c / NLR
Oracle Storage Drive Enclosure DE2-24C, DE2-24P	5A992.c / NLR
Tape Storage	
StorageTek SL150 Modular Tape Library	5A002.a.3 / ENC 740.17(b)(1)
StorageTek SL500 Modular Library System	5A002.a.3 / ENC 740.17(b)(1)
StorageTek SL3000 Modular Library System	5A002.a.3 / ENC 740.17(b)(1)
StorageTek SL4000 Modular Library System	5A002.a.3 / ENC 740.17(b)(1)
StorageTek SL8500 Modular Library System	5A002.a.3 / ENC 740.17(b)(1)
StorageTek SL48 Tape Library	EAR99
StorageTek SL24 Tape Autoloader	EAR99
StorageTek L1400M Tape Library	EAR99

StorageTek L700e Tape Library	EAR99
StorageTek C2 / C4 Tape Library	EAR99
StorageTek Virtual Tape Library (VTL)	5A002.a.3 / ENC 740.17(b)(1)
StorageTek Virtual Tape Library (VTL) Plus	5A002.a.3 / ENC 740.17(b)(1)
Tape Drives	
StorageTek T10000B, C, D Tape Drive	5A992.c / NLR
StorageTek T9840D Tape Drive	5A992.c / NLR
StorageTek LTO 4, 5, 6, 7, 8, 9 Tape Drive	5A992.c / NLR
StorageTek LTO Ultrium Data Cartridges	EAR99
Tape Encryption	
Oracle Key Manager 3	5A002.a.3 / ENC 740.17(b)(1)
Oracle Sun StorageTek Key Management System 2.x	5A002.a.3 / ENC 740.17(b)(1)
StorageTek Crypto Key Management System 1.x (KMS)	5A002.a.3 / ENC 740.17(b)(1)

Adapters

Product	ECCN / Eligible License Exception
Ethernet Adapters	
Oracle Dual 40 Gb Ethernet Adapter	5A991 / NLR
Oracle Quad 10 Gb or Dual 40 Gb Ethernet Adapter	5A991 / NLR
Oracle Dual Port 25 Gb Ethernet Adapter	5A991 / NLR
Oracle Quad 10 Gb Ethernet Adapter	5A991 / NLR
Sun Quad Port GbE PCIe 2.0 Low Profile Adapter	5A991 / NLR
InfiniBand Adapters	
Oracle Dual Port QDR InfiniBand Adapter M3	5A991 / NLR
Flash Adapters	
Oracle Flash Accelerator F640 PCIe Card	5A991 / NLR
Oracle Flash Accelerator F320 PCIe Card	5A991 / NLR
Oracle Flash Accelerator F160 PCIe Card	5A991 / NLR
Flash Accelerator F80 PCIe Card	5A991 / NLR
Flash Accelerator F40 PCIe Card	5A991 / NLR
Fibre Channel Host Bus Adapters (FC HBA)	
Oracle Storage Dual-Port 16 Gb or 32 Gb Fibre Channel PCIe HBA	5A991 / NLR
Sun Storage Dual 16 Gb Fibre Channel PCIe Universal HBA	5A991 / NLR
Sun Storage Dual 16 Gb Fibre Channel ExpressModule Universal HBA	5A991 / NLR
Serial Attached SCSI Host Bus Adapters (SAS HBA)	
Oracle Storage 12 Gb SAS PCIe RAID HBA Internal	5A991 / NLR
Sun Storage 6 Gb SAS-2 PCIe HBA, Low Profile	5A991 / NLR
Cryptographic Accelerator	
Sun Cryptographic Accelerator 6000 PCIe Card	5A002.a.1 / ENC 740.17(b)(1) CCATS G068874

Communications

Product	ECCN / Eligible License Exception
Oracle Acme Packet 1100	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 2600 / 2610	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G148079
Oracle Acme Packet 3800 and 3820	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 3900	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 3950	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 4250	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147871
Oracle Acme Packet 4500	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 4600	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 4900	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 6100	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147738
Oracle Acme Packet 6300	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147738
Oracle Acme Packet 6350	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147738
Oracle Acme Packet 6400	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147738
Oracle Acme Packet Net-Net 7000	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147770
Oracle Acme Packet Net-Net 9200	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147864
Oracle Acme Packet Net-Net 14000	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Communications EAGLE	5A002.a.1 / ENC 740.17(b)(1), CCATS G150935
Oracle Communications vSTP eLynx PCI Card	5A991 / NLR
Oracle Talari D2000	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G185433
Oracle Talari D6000	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G185433
Oracle Talari E50	5A002.a.1 / ENC 740.17(b)(1), CCATS G174865
Oracle Talari E100	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G185433
Oracle Talari E500	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G157627
Oracle Talari E1000	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G173812
Talari T510 Appliance	5A002.a.1 / ENC 740.17(b)(1), CCATS G157627
Talari T730 Appliance	5A002.a.1 / ENC 740.17(b)(1), CCATS G157627
Talari T750 Appliance	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G157627
Oracle Talari T860	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G157627
Talari T3000 Appliance	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G157627
Oracle Talari T3010	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G157627
Oracle Talari T5000	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G157627
Oracle Talari T5200	5A002.a.1 / ENC 740.17(b)(2) "Restricted", CCATS G167188

MICROS Hardware

Product	ECCN / Eligible License Exception
Oracle MICROS Workstation 3 Series	5A992.c / NLR
Oracle Compact Workstation 310 (CWS310)	5A992.c / NLR
Oracle MICROS Express Station 400, 410	5A992.c / NLR
Oracle MICROS Workstation 8	5A992.c / NLR
Oracle MICROS Workstation 6 Series 1 and Series 2	5A992.c / NLR
Oracle MICROS Workstation 610	5A992.c / NLR
Oracle MICROS Workstation 620 / 625	5A992.c / NLR
Oracle MICROS Workstation 650 / 655	5A992.c / NLR
Oracle MICROS Workstation 625X / 655X	5A992.c / NLR
Oracle MICROS Workstation 5A (WS5A)	5A992.c / NLR
Oracle MICROS PC Workstation 2015 (PCWS 2015)	5A992.c / NLR
MICROS Workstation 4 LX	5A992.c / NLR
Oracle MICROS Keyboard Workstation 270 (KW270)	5A992.c / NLR
Oracle MICROS Tablet 700 Series	5A992.c / NLR
Oracle MICROS Tablet R-Series	5A992.c / NLR
Oracle MICROS Tablet E-Series 11	5A992.c / NLR
Oracle MICROS Tablet E-Series 8	5A992.c / NLR
MICROS Tablet PC DT365	5A992.c / NLR
MICROS MC40	5A992.c / NLR
MICROS MC55	5A992.c / NLR
MICROS m-Station	EAR99 / NLR

Oracle Netra Products

Product	ECCN / Eligible License Exception
Netra SPARC S7-2 Server	4A994 / NLR
<i>Please see Previous Products for information on other Netra products</i>	

Previous Products

Product Name	ECCN / Eligible License Exception
Sun Enterprise Servers	
Sun Enterprise 220R (E220R)	5A992.c / NLR
Sun Enterprise 250 (E250)	5A992.c / NLR
Sun Enterprise 420R (E420R)	5A992.c / NLR
Sun Enterprise 450 (E450)	5A992.c / NLR
Sun Enterprise 3000 (E3000)	5A992.c / NLR
Sun Enterprise 3500 (E3500)	5A992.c / NLR
Sun Enterprise 4000 (E4000)	5A992.c / NLR
Sun Enterprise 4500 (E4500)	5A992.c / NLR
Sun Enterprise 5000 (E5000)	5A992.c / NLR
Sun Enterprise 5500 (E5500)	5A992.c / NLR

Sun Enterprise 6000 (E6000)	5A992.c / NLR
Sun Enterprise 6500 (E6500)	5A992.c / NLR
Sun Enterprise 10000 (E10K)	5A992.c / NLR
Sun Enterprise Ultra 5 and 5S (U5 / U5S)	5A992.c / NLR
Sun Enterprise Ultra 10 and 10S (U10 / U10S)	5A992.c / NLR
Sun Fire Servers	
Sun Fire 3800 Server	5A992.c / NLR
Sun Fire 4800 Server	5A992.c / NLR
Sun Fire 4810 Server	5A992.c / NLR
Sun Fire 6800 Server	5A992.c / NLR
Sun Fire 12K Server	5A992.c / NLR
Sun Fire 15K Server	5A992.c / NLR
Sun Fire E2900 Server	5A992.c / NLR
Sun Fire E4900 Server	5A992.c / NLR
Sun Fire E6900 Server	5A992.c / NLR
Sun Fire E20K Server	5A992.c / NLR
Sun Fire E25K Server	5A992.c / NLR
Sun Fire T1000 Server	5A992.c / NLR
Sun Fire T2000 Server	5A992.c / NLR
Sun Fire V100 Server	5A992.c / NLR
Sun Fire V120 Server	5A992.c / NLR
Sun Fire V125 Server	5A992.c / NLR
Sun Fire V210 Server	5A992.c / NLR
Sun Fire V215 Server	5A992.c / NLR
Sun Fire V245 Server	5A992.c / NLR
Sun Fire V250 Server	5A992.c / NLR
Sun Fire V280R Server	5A992.c / NLR
Sun Fire V440 Server	5A992.c / NLR
Sun Fire V445 Server	5A992.c / NLR
Sun Fire V490 Server	5A992.c / NLR
Sun Fire V880 / V880z Server	5A992.c / NLR
Sun Fire V890 Server	5A992.c / NLR
Sun Fire V1280 Server	5A992.c / NLR
Sun Fire V20z Server	5A992.c / NLR
Sun Fire V40z Server	5A992.c / NLR
Sun Fire V60x Server	5A992.c / NLR
Sun Fire V65x Server	5A992.c / NLR
Sun Fire X2100 / X2100 M2 Server	5A992.c / NLR
Sun Fire X2200 M2 Server	5A992.c / NLR
Sun Fire X2250 Server	5A992.c / NLR
Sun Fire X2270 / X2270 M2 Server	5A992.c / NLR
Sun Fire X4140 Server	5A992.c / NLR
Sun Fire X4150 Server	5A992.c / NLR

Sun Fire X4170 / X4170 M2 Server	5A992.c / NLR
Sun Fire X4200 Server	5A992.c / NLR
Sun Fire X4200 M2 Server	5A992.c / NLR
Sun Fire X4240 Server	5A992.c / NLR
Sun Fire X4250 Server	5A992.c / NLR
Sun Fire X4270 / X4270 M2 Server	5A992.c / NLR
Sun Fire X4275 Server	5A992.c / NLR
Sun Fire X4440 Server	5A992.c / NLR
Sun Fire X4450 Server	5A992.c / NLR
Sun Fire X4470 Server	5A992.c / NLR
Sun Fire X4500 Server	5A992.c / NLR
Sun Fire X4540 Server	5A992.c / NLR
Sun Fire X4600 / X4600 M2 Server	5A992.c / NLR
Sun Fire X4640 Server	5A992.c / NLR
Sun Fire X4800 Server	5A992.c / NLR
Sun Server X2-4 (formerly Sun Fire X4470 M2 Server)	5A992.c / NLR
Sun Server X2-8 (formerly Sun Fire X4800 M2 Server)	5A992.c / NLR
Sun Server X3-2 (formerly Sun Fire X4170 M3 Server)	5A992.c / NLR
Sun Server X3-2L (formerly Sun Fire X4270 M3 Server)	5A992.c / NLR
Netra Servers/Blades	
Netra 120 Server	5A992.c / NLR
Netra 240 Server	5A992.c / NLR
Netra 1280 Server	5A992.c / NLR
Netra 1290 Server	5A992.c / NLR
Sun Netra 6000 Modular System	5A992.c / NLR
Sun Netra CT900	5A992.c / NLR
Sun Netra CP3010 Blade Server	5A992.c / NLR
Sun Netra CP3020 Blade Server	5A992.c / NLR
Sun Netra CP3060 Blade Server	5A992.c / NLR
Sun Netra CP3220 Blade Server	5A992.c / NLR
Sun Netra CP3250 Blade Server	5A992.c / NLR
Sun Netra CP3260 Blade Server	5A992.c / NLR
Sun Netra CP3270 Blade Server	5A992.c / NLR
Netra SPARC T3-1 Server	5A992.c / NLR
Netra SPARC T3-1B / T3-1BA Server	5A992.c / NLR
Netra SPARC T4-1 Server	5A992.c / NLR
Netra SPARC T4-1B Server	5A992.c / NLR
Netra SPARC T4-2 Server	5A992.c / NLR
Netra SPARC T5-1B Server	5A992.c / NLR
Netra T5220 Server	5A992.c / NLR
Sun Netra T5440 Server	5A992.c / NLR
Sun Netra T6340 Server Module	5A992.c / NLR
Netra Blade X3-2B (formerly Sun Netra X6270 M3 Server Module)	5A992.c / NLR

Netra Server X3-2 (formerly Sun Netra X4270 M3)	5A992.c / NLR
Sun Netra X4200 M2 Server	5A992.c / NLR
Netra X4250 Server	5A992.c / NLR
Sun Netra X4270 / X4270 M2 Server	5A992.c / NLR
Netra X4450 Server	5A992.c / NLR
Netra Server X5-2	5A992.c / NLR
Sun Netra X6270 M2 Server Module	5A992.c / NLR
SPARC T Servers	
SPARC T3-1 Server	5A992.c / NLR
SPARC T3-1B Server Module	5A992.c / NLR
SPARC T3-2 Server	5A992.c / NLR
SPARC T3-4 Server	5A992.c / NLR
SPARC T4-1 Server	5A992.c / NLR
SPARC T4-1B Server Module	5A992.c / NLR
SPARC T4-2 Server	5A992.c / NLR
SPARC T4-4 Server	5A992.c / NLR
SPARC T5-1B Server Module	5A992.c / NLR
SPARC T5-2 Server	5A992.c / NLR
SPARC T5-4 Server	5A992.c / NLR
SPARC T5-8 Server	5A992.c / NLR
SPARC T7-1 Server	5A992.c / NLR
SPARC T7-2 Server	5A992.c / NLR
SPARC T7-4 Server	5A992.c / NLR
Sun SPARC Enterprise T1000 Server	5A992.c / NLR
Sun SPARC Enterprise T2000 Server	5A992.c / NLR
Sun SPARC Enterprise T5120 Server	5A992.c / NLR
Sun SPARC Enterprise T5140 Server	5A992.c / NLR
Sun SPARC Enterprise T5220 Server	5A992.c / NLR
Sun SPARC Enterprise T5240 Server	5A992.c / NLR
Sun SPARC Enterprise T5440 Server	5A992.c / NLR
Oracle SuperCluster	
Oracle SuperCluster M8	5A002.a.3 / ENC 740.17(b)(1)
Oracle SuperCluster M7	5A002.a.3 / ENC 740.17(b)(1)
Oracle SuperCluster M6-32	5A002.a.3 / ENC 740.17(b)(1)
Oracle SuperCluster T5-8	5A002.a.3 / ENC 740.17(b)(1)
Oracle SuperCluster T4-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle MiniCluster	
Oracle MiniCluster S7-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalogic Elastic Cloud	
Exalogic Elastic Cloud X6-2	5A002.a.3 / ENC 740.17(b)(1)
Exalogic Elastic Cloud X5-2	5A002.a.3 / ENC 740.17(b)(1)
Exalogic Elastic Cloud X4-2	5A002.a.3 / ENC 740.17(b)(1)
Exalogic Elastic Cloud X3-2	5A002.a.3 / ENC 740.17(b)(1)

Exalogic Elastic Cloud X2-2	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalytics In-Memory Machine	
Oracle Exalytics In-Memory Machine X6-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalytics In-Memory Machine X5-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalytics In-Memory Machine X4-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalytics In-Memory Machine X3-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalytics In-Memory Machine X2-4	5A002.a.3 / ENC 740.17(b)(1)
Oracle Exalytics In-Memory Machine T5-8	5A002.a.3 / ENC 740.17(b)(1)
Storage Products	
Sun Storage 2500 / 2500 M2 Array	4A994 / NLR
Sun Storage 2530 / 2530 M2 Array	4A994 / NLR
Sun Storage 2540 / 2540 M2 Array	4A994 / NLR
Sun Storage 6180 Array	4A994 / NLR
Sun Storage 6580 Array	4A994 / NLR
Sun Storage 6780 Array	4A994 / NLR
Sun Storage 7110 Unified Storage System	5A002.a.1 / ENC 740.17(b)(1)
Sun Storage 7210 Unified Storage System	5A002.a.1 / ENC 740.17(b)(1)
Sun Storage 7310 Unified Storage System	5A002.a.1 / ENC 740.17(b)(1)
Sun Storage 7410 Unified Storage System	5A002.a.1 / ENC 740.17(b)(1)
Sun Storage F5100 Flash Array	4A994 / NLR
Sun Storage J4200, J4400, J4500	4A994 / NLR
Sun StorageTek 2510 Array	4A994 / NLR
Sun StorageTek 2530 / 2530 M2 Array	4A994 / NLR
Sun StorageTek 2540 Array	4A994 / NLR
Sun StorageTek 3320 Array	4A994 / NLR
Sun StorageTek 3510 Array	4A994 / NLR
Sun StorageTek 6140 Array	4A994 / NLR
Sun StorageTek 6540 Array	4A994 / NLR
StorageTek T10000 Data Cartridge	EAR99 / NLR
StorageTek 9940 Data Cartridge	EAR99 / NLR
StorageTek 9840 Data Cartridge	EAR99 / NLR
StorageTek VolSafe Secure Media Technology	EAR99 / NLR
StorageTek LTO Data Cartridge	EAR99 / NLR
StorageTek DLT / Super DLT Tape Media	EAR99 / NLR
Sun Ray 1 / Sun Ray 1g	EAR99 / NLR
Switches	
Oracle Switch ES1-24	5A991 / NLR
Oracle Ethernet Switch ES2-64	5A991 / NLR
Oracle Ethernet Switch ES2-72	5A991 / NLR
Oracle Fabric Interconnect F1-4	5A002.a.1 / ENC 740.17(b)(1)
Oracle Fabric Interconnect F1-15	5A002.a.1 / ENC 740.17(b)(1)
Oracle Fabric Interconnect FS2-12	5A002.a.1 / ENC 740.17(b)(1)
Oracle InfiniBand Switch IS2-46	5A991 / NLR
Oracle InfiniBand Switch IS2-254	5A991 / NLR

Sun Datacenter InfiniBand Switch 36	5A991 / NLR
Sun DataCenter InfiniBand Switch 72	5A991 / NLR
Sun DataCenter InfiniBand Switch 648	5A991 / NLR
Sun Network 10GbE Switch 72p	5A991 / NLR
Sun Network QDR InfiniBand Gateway Switch	5A991 / NLR

Acronyms

- ECCN = Export Control Classification Number
- ENC = U.S. Commerce Department License Exception per section 740.17 of the U.S. Export Administration Regulations
- NLR = No License Required
- TPP = Total Processing Performance per ECCN 3A090 in Supplement No. 1 to Part 774 - The Commerce Control List of the U.S. Export Administration Regulations. TPP information per GPU is obtained from suppliers.

