

# Oracle Hardware ECCN Matrix

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- [Oracle Cloud@Customer](#)
- [Oracle Exadata Database Machine](#)
- [Oracle Exadata Storage Expansion Rack](#)
- [Oracle Exalogic Elastic Cloud](#)
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[Oracle Cloud@Customer](#)

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

[Oracle Exadata Database Machine](#)

<b>Product</b>	<b>ECCN / License Exception</b>
Exadata Database Machine X8M-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X8-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X8M-8	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X8-8	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X7-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X7-8	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X6-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine 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	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X5-8	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X4-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X4-8	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X3-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X3-8	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X2-2	5A002.a.3 ENC 740.17(b)(1)
Exadata Database Machine X2-8	5A002.a.3 ENC 740.17(b)(1)

### [Exadata Storage Expansion Rack](#)

<b>Product</b>	<b>ECCN / License Exception</b>
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](#)

<b>Product</b>	<b>ECCN / License Exception</b>
Oracle Database Appliance X8-2S	5A992.c / NLR
Oracle Database Appliance X8-2M	5A992.c / NLR
Oracle Database Appliance X8-2-HA	5A992.c / NLR
Oracle Database Appliance X7-2S	5A992.c / NLR
Oracle Database Appliance X7-2M	5A992.c / NLR
Oracle Database Appliance X7-2-HA	5A992.c / NLR
Oracle Database Appliance X6-2S	5A992.c / NLR
Oracle Database Appliance X6-2M	5A992.c / NLR
Oracle Database Appliance X6-2L	5A992.c / NLR
Oracle Database Appliance 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](#)

<b>Product</b>	<b>ECCN / License Exception</b>
Oracle Private Cloud at Customer X8-2	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 Zero Data Loss Recovery Appliance](#)

<b>Product</b>	<b>ECCN / License Exception</b>
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](#)

<b>Product</b>	<b>ECCN / License Exception</b>
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 SuperCluster](#)

<b>Product</b>	<b>ECCN / License Exception</b>
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](#)

<b>Product</b>	<b>ECCN / License Exception</b>
Oracle MiniCluster S7-2	5A002.a.3 ENC 740.17(b)(1)

### [Oracle Exalogic Elastic Cloud](#)

<b>Product</b>	<b>ECCN / License Exception</b>
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](#)

<b>Product</b>	<b>ECCN / License Exception</b>
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)

### [Oracle x86 Servers](#)

<b>Product</b>	<b>ECCN / License Exception</b>
Oracle Server X8-2	5A992.c / NLR
Oracle Server X8-2L	5A992.c / NLR
Oracle Server X8-8	5A992.c / NLR
Oracle Server X7-2	5A992.c / NLR
Oracle Server X7-2L	5A992.c / NLR
Oracle Server X7-8	5A992.c / NLR
Oracle Server X6-2	5A992.c / NLR
Oracle Server X6-2L	5A992.c / NLR
Oracle Server X5-2	5A992.c / NLR
Oracle Server X5-2L	5A992.c / NLR
Oracle Server X5-4	5A992.c / NLR
Oracle Server X5-8	5A992.c / NLR
Sun Server X4-2	5A992.c / NLR
Sun Server X4-2L	5A992.c / NLR
Sun Server X4-4	5A992.c / NLR
Sun Server X4-8	5A992.c / NLR

## SPARC Servers

<b>Product</b>	<b>ECCN / License Exception</b>
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 T8-1 Server	5A992.c / NLR
SPARC T8-2 Server	5A992.c / NLR
SPARC T8-4 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
SPARC T5-2 Server	5A992.c / NLR
SPARC T5-4 Server	5A992.c / NLR
SPARC T5-8 Server	5A992.c / NLR
SPARC T4-1 Server	5A992.c / NLR
SPARC T4-2 Server	5A992.c / NLR
SPARC T4-4 Server	5A992.c / NLR
SPARC T3-1 Server	5A992.c / NLR
SPARC T3-2 Server	5A992.c / NLR
SPARC T3-4 Server	5A992.c / NLR
SPARC S7-2 Server	5A992.c / NLR
SPARC S7-2L Server	5A992.c / NLR
Oracle Fujitsu M10-1 Server	5A992.c / NLR
Oracle Fujitsu M10-4 Server	5A992.c / NLR
Oracle Fujitsu M10-4S Server	5A992.c / NLR
Oracle Fujitsu SPARC M12-1 Server	5A992.c / NLR
Oracle Fujitsu SPARC M12-2 Server	5A992.c / NLR
Oracle Fujitsu SPARC M12-2S Server	5A992.c / NLR
SPARC Enterprise M3000 Server	5A992.c / NLR
SPARC Enterprise M4000 Server	5A992.c / NLR
SPARC Enterprise M5000 Server	5A992.c / NLR
SPARC Enterprise M8000 Server	5A992.c / NLR
SPARC Enterprise M9000 Server	5A992.c / NLR

[Oracle Storage](#)

<b>Product</b>	<b>ECCN / License Exception</b>
<i>NAS</i>	
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 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 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)
<i>Fibre/SAN</i>	
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)
Oracle MaxRep Replication Engine	5A002.a.3 ENC 740.17(b)(1)
<i>Expansion Trays</i>	
Oracle Storage Drive Enclosure DE3-24C, DE3-24P	5A992.c / NLR
Oracle Storage Drive Enclosure DE2-24C, DE2-24P	5A992.c / NLR
<i>Tape Storage</i>	
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 C4 Tape Library	EAR99
StorageTek C2 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)
<i>Tape Drives</i>	
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
<i>Tape Encryption</i>	
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](#)

<b>Product</b>	<b>ECCN / License Exception</b>
<i>Ethernet Adapters</i>	
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
<i>InfiniBand Adapters</i>	
Oracle Dual Port QDR InfiniBand Adapter M3	5A991 / NLR
<i>Flash Adapters</i>	
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
<i>Fibre Channel Host Bus Adapters (FC HBA)</i>	
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
<i>Serial Attached SCSI Host Bus Adapters (SAS HBA)</i>	



Oracle Storage 12 Gb SAS PCIe RAID HBA Internal	5A991 / NLR
Sun Storage 6 Gb SAS-2 PCIe HBA, Low Profile	5A991 / NLR
<i>Cryptographic Accelerator</i>	
Sun Cryptographic Accelerator 6000 PCIe Card	5A002.a.1 ENC 740.17(b)(1) CCATS G068874

### Switches

<b>Product</b>	<b>ECCN / License Exception</b>
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

### Communications

<b>Product</b>	<b>ECCN / License Exception</b>
Oracle Acme Packet 1100	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G147602
Oracle Acme Packet 2600	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 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 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 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 Diameter Signaling Router Software	5D002 ENC 740.17(b)(2) "Restricted", CCATS G150695
Oracle Communications EAGLE	5A002.a.1 ENC 740.17(b)(1), CCATS G150935
Oracle Communications vSTP eLynx PCI Card	5A991 / NLR
Oracle Talari D2000 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G185433
Oracle Talari D6000 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G185433
Oracle Talari E50 Appliance	5A002.a.1 ENC 740.17(b)(1), CCATS G174865
Oracle Talari E100 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G185433
Talari E500 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G157627
Talari E1000 Appliance	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
Talari T860 Appliance	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
Talari T3010 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G157627
Talari T5000 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G157627
Talari T5200 Appliance	5A002.a.1 ENC 740.17(b)(2) "Restricted", CCATS G167188

### MICROS Hardware

<b>Product</b>	<b>ECCN / Eligible License Exception</b>
Oracle MICROS Workstation 3 Series	5A992.c / NLR
Oracle Compact Workstation 310 (CWS310)	5A992.c / NLR
Oracle MICROS Express Station 400	5A992.c / NLR
Oracle MICROS Workstation 6 Series (WS6)	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 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

### [Blade Products](#)

<b>Product</b>	<b>ECCN / License Exception</b>
<i>SPARC Blades</i>	
SPARC T5-1B Server Module	5A992.c / NLR
SPARC T4-1B Server Module	5A992.c / NLR
SPARC T3-1B Server Module	5A992.c / NLR
Sun Blade T6340 Server Module	5A992.c / NLR
Sun Blade T6320 Server Module	5A992.c / NLR
Sun Blade T6300 Server Module	5A992.c / NLR
<i>x86 Blades</i>	
Sun Blade X4-2B Server Module	5A992.c / NLR
Sun Blade X3-2B (formerly Sun Blade X6270 M3 Server Module)	5A992.c / NLR
Sun Blade X6220 Server Module	5A992.c / NLR
Sun Blade X6240 Server Module	5A992.c / NLR
Sun Blade X6250 Server Module	5A992.c / NLR
Sun Blade X6270 / X6270 M2 Server Module	5A992.c / NLR
Sun Blade X6275 / X6275 M2 Server Module	5A992.c / NLR
Sun Blade X6440 Server Module	5A992.c / NLR
Sun Blade X6450 Server Module	5A992.c / NLR
<i>Blade Chassis</i>	
Sun Blade 6000	5A992.c / NLR
Sun Blade 6048	5A992.c / NLR
Sun Blade 8000	5A992.c / NLR
Sun Blade 8000P	5A992.c / NLR

### [Oracle Netra Products](#)

<b>Product</b>	<b>ECCN / License Exception</b>
<i>Netra Servers</i>	
Netra SPARC S7-2 Server	5A992.c / NLR

Netra Server X5-2	5A992.c / NLR
Netra Server X3-2 (formerly Sun Netra X4270 M3)	5A992.c / NLR
Netra SPARC T4-2 Server	5A992.c / NLR
Netra SPARC T4-1 Server	5A992.c / NLR
Netra SPARC T3-1 Server	5A992.c / NLR
Sun Netra T5440 Server	5A992.c / NLR
Sun Netra T5220 Server	5A992.c / NLR
Sun Netra 1290	5A992.c / NLR
Sun Netra 1280	5A992.c / NLR
Sun Netra X4450 Server	5A992.c / NLR
Sun Netra X4270 / X4270 M2 Server	5A992.c / NLR
Sun Netra X4250 Server	5A992.c / NLR
Sun Netra X4200 M2 Server	5A992.c / NLR
<i>Netra Blade Servers</i>	
Netra SPARC T5-1B Server	5A992.c / NLR
Netra SPARC T4-1B Server	5A992.c / NLR
Netra SPARC T3-1B / T3-1BA 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
Sun Netra X6270 M2 Server Module	5A992.c / NLR
Sun Netra CP3270 ATCA Blade Server	5A992.c / NLR
Sun Netra CP3260 ATCA Blade Server	5A992.c / NLR
Sun Netra CP3250 ATCA Blade Server	5A992.c / NLR
Sun Netra CP3220 ATCA Blade Server	5A992.c / NLR
Sun Netra CP3060 ATCA Blade Server	5A992.c / NLR
Sun Netra CP3020 ATCA Blade Server	5A992.c / NLR
Sun Netra CP3010 ATCA Blade Server	5A992.c / NLR
<i>Netra Blade Chassis</i>	
Sun Netra 6000 Chassis	5A992.c / NLR
Sun Netra CT900 ATCA Chassis	5A992.c / NLR
<i>Netra Modular System</i>	
Netra Modular System	5A992.c / NLR

[Previous Products](#)

Product Name	ECCN / Eligible License Exception
Sun Blade 150	5A992.c / NLR
Sun Blade 1500	5A992.c / NLR

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 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 V240 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 V480 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 X4100 / X4100 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 / 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 Netra 240	5A992.c / NLR
Sun Ray 1 / Sun Ray 1g	EAR99 / 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
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 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

Sun SPARC Enterprise T2000 Server	5A992.c / NLR
Sun SPARC Enterprise T1000 Server	5A992.c / NLR
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
StorageTek 9940 Data Cartridge	EAR99
StorageTek 9840 Data Cartridge	EAR99
StorageTek VolSafe Secure Media Technology	EAR99
StorageTek LTO Data Cartridge	EAR99
StorageTek Super DLT Tape Media	EAR99
StorageTek DLT Tape Media	EAR99

### Acronyms

- APP = Adjusted Peak Performance
- ECCN = Export Control Classification Number
- ENC = US Commerce Department License Exception per section 740.17 of the U.S. Export Administration Regulations
- NLR = No License Required