

Oracle Hardware ECCN Matrix

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If you cannot find an ECCN for an Oracle product, please contact expORTECCN_ww@oracle.com.

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[Oracle Cloud@Customer](#)

| Product | ECCN / License Exception |
|-------------------------------------|---------------------------------|
| Oracle Exadata Cloud@Customer X9M | 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](#)

| Product | ECCN / License Exception |
|--------------------------------|---------------------------------|
| 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 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](#)

| Product | ECCN / License Exception |
|---|---------------------------------|
| 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 / License Exception |
|-----------------------------------|---------------------------------|
| Oracle Database Appliance X9-2S | 5A992.c / NLR |
| Oracle Database Appliance X9-2L | 5A992.c / NLR |
| Oracle Database Appliance X9-2-HA | 5A992.c / NLR |
| 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](#)

| Product | ECCN / License Exception |
|---------------------------------------|---------------------------------|
| 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 Zero Data Loss Recovery Appliance](#)

| Product | ECCN / License Exception |
|---|---------------------------------|
| 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 / 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 SuperCluster](#)

| Product | ECCN / License Exception |
|---------------------------|---------------------------------|
| 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) |

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|--------------------------|------------------------------|
| 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](#)

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

[Oracle Exalogic Elastic Cloud](#)

| Product | ECCN / License Exception |
|-----------------------------|------------------------------|
| 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](#)

| Product | ECCN / License Exception |
|---|------------------------------|
| 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](#)

| Product | ECCN / License Exception |
|---------------------|--------------------------|
| 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 |

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|---------------------|---------------|
| 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

| Product | ECCN / License Exception |
|------------------------------------|---------------------------------|
| 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 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](#)

| Product | ECCN / License Exception |
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| <i>NAS</i> | |
| 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 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) |
| <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 |

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| 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](#)

| Product | ECCN / License Exception |
|--|---------------------------------|
| <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

| Product | ECCN / License Exception |
|---|---------------------------------|
| 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

| Product | ECCN / License Exception |
|----------------------------------|--|
| 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 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 |

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| 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

| 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 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 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 |

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| 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 / 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 |
|---|--|
| Blade Products | |
| Sun Blade 100 | EAR99 / NLR |
| Sun Blade 150 | EAR99 / NLR |
| Sun Blade 1000 | EAR99 / NLR |
| Sun Blade 1500 | EAR99 / NLR |
| Sun Blade 2000 | EAR99 / NLR |
| Sun Blade 2500 | EAR99 / NLR |
| Sun Blade 6000 | 4A994 / NLR |
| Sun Blade 6048 | 4A994 / NLR |
| Sun Blade 8000 | 4A994 / NLR |
| Sun Blade 8000P | 4A994 / NLR |
| Sun Blade T6300 Server Module | EAR99 / NLR |
| Sun Blade T6320 Server Module | EAR99 / NLR |
| Sun Blade T6340 Server Module | EAR99 / NLR |
| SPARC T3-1B Server Module | 4A994 / NLR |
| SPARC T4-1B Server Module | 4A994 / NLR |
| SPARC T5-1B Server Module | 4A994 / NLR |
| Sun Blade X3-2B (formerly Sun Blade X6270 M3 Server Module) | 4A994 / NLR |
| Sun Blade X4-2B Server Module | 4A994 / NLR |
| Sun Blade X6220 Server Module | 4A994 / NLR |
| Sun Blade X6240 Server Module | 4A994 / NLR |

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| Sun Blade X6250 Server Module | 4A994 / NLR |
| Sun Blade X6270 / X6270 M2 Server Module | 4A994 / NLR |
| Sun Blade X6275 / X6275 M2 Server Module | 4A994 / NLR |
| Sun Blade X6440 Server Module | 4A994 / NLR |
| Sun Blade X6450 Server Module | 4A994 / NLR |
| Sun Enterprise Servers | |
| Sun Enterprise 220R (E220R) | EAR99 / NLR |
| Sun Enterprise 250 (E250) | EAR99 / NLR |
| Sun Enterprise 420R (E420R) | EAR99 / NLR |
| Sun Enterprise 450 (E450) | EAR99 / NLR |
| Sun Enterprise 3000 (E3000) | EAR99 / NLR |
| Sun Enterprise 3500 (E3500) | EAR99 / NLR |
| Sun Enterprise 4000 (E4000) | EAR99 / NLR |
| Sun Enterprise 4500 (E4500) | EAR99 / NLR |
| Sun Enterprise 5000 (E5000) | EAR99 / NLR |
| Sun Enterprise 5500 (E5500) | EAR99 / NLR |
| Sun Enterprise 6000 (E6000) | EAR99 / NLR |
| Sun Enterprise 6500 (E6500) | EAR99 / NLR |
| Sun Enterprise 10000 (E10K) | 4A994 / NLR |
| Sun Enterprise Ultra 5 and 5S (U5 / U5S) | EAR99 / NLR |
| Sun Enterprise Ultra 10 and 10S (U10 / U10S) | EAR99 / NLR |
| Sun Fire Servers | |
| Sun Fire 3800 Server | EAR99 / NLR |
| Sun Fire 4800 Server | 4A994 / NLR |
| Sun Fire 4810 Server | EAR99 / NLR |
| Sun Fire 6800 Server | 4A994 / NLR |
| Sun Fire 12K Server | 4A994 / NLR |
| Sun Fire 15K Server | 4A994 / NLR |
| Sun Fire E2900 Server | 4A994 / NLR |
| Sun Fire E4900 Server | 4A994 / NLR |
| Sun Fire E6900 Server | 4A994 / NLR |
| Sun Fire E20K Server | 4A994 / NLR |
| Sun Fire E25K Server | 4A994 / NLR |
| Sun Fire T1000 Server | EAR99 / NLR |
| Sun Fire T2000 Server | EAR99 / NLR |
| Sun Fire V100 Server | EAR99 / NLR |
| Sun Fire V120 Server | EAR99 / NLR |
| Sun Fire V125 Server | EAR99 / NLR |
| Sun Fire V210 Server | EAR99 / NLR |
| Sun Fire V215 Server | EAR99 / NLR |

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| Sun Fire V245 Server | EAR99 / NLR |
| Sun Fire V250 Server | EAR99 / NLR |
| Sun Fire V280R Server | EAR99 / NLR |
| Sun Fire V440 Server | EAR99 / NLR |
| Sun Fire V445 Server | EAR99 / NLR |
| Sun Fire V490 Server | EAR99 / NLR |
| Sun Fire V880 / V880z Server | EAR99 / NLR |
| Sun Fire V890 Server | 4A994 / NLR |
| Sun Fire V1280 Server | 4A994 / NLR |
| Sun Fire V20z Server | EAR99 / NLR |
| Sun Fire V40z Server | EAR99 / NLR |
| Sun Fire V60x Server | EAR99 / NLR |
| Sun Fire V65x Server | EAR99 / NLR |
| Sun Fire X2100 / X2100 M2 Server | EAR99 / NLR |
| Sun Fire X2200 M2 Server | EAR99 / NLR |
| Sun Fire X2250 Server | 4A994 / NLR |
| Sun Fire X2270 / X2270 M2 Server | 4A994 / NLR |
| Sun Fire X4140 Server | 4A994 / NLR |
| Sun Fire X4150 Server | 4A994 / NLR |
| Sun Fire X4170 / X4170 M2 Server | 4A994 / NLR |
| Sun Fire X4200 Server | EAR99 / NLR |
| Sun Fire X4200 M2 Server | 4A994 / NLR |
| Sun Fire X4240 Server | 4A994 / NLR |
| Sun Fire X4250 Server | 4A994 / NLR |
| Sun Fire X4270 / X4270 M2 Server | 4A994 / NLR |
| Sun Fire X4275 Server | 4A994 / NLR |
| Sun Fire X4440 Server | 4A994 / NLR |
| Sun Fire X4450 Server | 4A994 / NLR |
| Sun Fire X4470 Server | 4A994 / NLR |
| Sun Fire X4500 Server | EAR99 / NLR |
| Sun Fire X4540 Server | 4A994 / NLR |
| Sun Fire X4600 / X4600 M2 Server | 4A994 / NLR |
| Sun Fire X4640 Server | 4A994 / NLR |
| Sun Fire X4800 Server | 4A994 / NLR |
| Sun Server X2-4 (formerly Sun Fire X4470 M2 Server) | 4A994 / NLR |
| Sun Server X2-8 (formerly Sun Fire X4800 M2 Server) | 4A994 / NLR |
| Sun Server X3-2 (formerly Sun Fire X4170 M3 Server) | 4A994 / NLR |
| Sun Server X3-2L (formerly Sun Fire X4270 M3 Server) | 4A994 / NLR |
| Netra Servers/Blades | |
| Netra 120 Server | EAR99 / NLR |

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| Netra 240 Server | EAR99 / NLR |
| Netra 1280 Server | EAR99 / NLR |
| Netra 1290 Server | 4A994 / NLR |
| Sun Netra 6000 Modular System | 4A994 / NLR |
| Sun Netra CT900 | 4A994 / NLR |
| Sun Netra CP3010 Blade Server | EAR99 / NLR |
| Sun Netra CP3020 Blade Server | EAR99 / NLR |
| Sun Netra CP3060 Blade Server | EAR99 / NLR |
| Sun Netra CP3220 Blade Server | EAR99 / NLR |
| Sun Netra CP3250 Blade Server | 4A994 / NLR |
| Sun Netra CP3260 Blade Server | EAR99 / NLR |
| Sun Netra CP3270 Blade Server | 4A994 / NLR |
| Netra SPARC T3-1 Server | 4A994 / NLR |
| Netra SPARC T3-1B / T3-1BA Server | 4A994 / NLR |
| Netra SPARC T4-1 Server | 4A994 / NLR |
| Netra SPARC T4-1B Server | 4A994 / NLR |
| Netra SPARC T4-2 Server | 4A994 / NLR |
| Netra SPARC T5-1B Server | 4A994 / NLR |
| Netra T5220 Server | EAR99 / NLR |
| Sun Netra T5440 Server | EAR99 / NLR |
| Sun Netra T6340 Server Module | EAR99 / NLR |
| Netra Blade X3-2B (formerly Sun Netra X6270 M3 Server Module) | 4A994 / NLR |
| Netra Server X3-2 (formerly Sun Netra X4270 M3) | 4A994 / NLR |
| Sun Netra X4200 M2 Server | 4A994 / NLR |
| Netra X4250 Server | 4A994 / NLR |
| Sun Netra X4270 / X4270 M2 Server | 4A994 / NLR |
| Netra X4450 Server | 4A994 / NLR |
| Netra Server X5-2 | 4A994 / NLR |
| Sun Netra X6270 M2 Server Module | 4A994 / NLR |
| SPARC T Servers | |
| SPARC T3-1 Server | 4A994 / NLR |
| SPARC T3-1B Server Module | 4A994 / NLR |
| SPARC T3-2 Server | 4A994 / NLR |
| SPARC T3-4 Server | 4A994 / NLR |
| SPARC T4-1 Server | 4A994 / NLR |
| SPARC T4-1B Server Module | 4A994 / NLR |
| SPARC T4-2 Server | 4A994 / NLR |
| SPARC T4-4 Server | 4A994 / NLR |
| SPARC T5-1B Server Module | 4A994 / NLR |
| SPARC T5-2 Server | 4A994 / NLR |

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| SPARC T5-4 Server | 4A994 / NLR |
| SPARC T5-8 Server | 4A994 / NLR |
| SPARC T7-1 Server | 4A994 / NLR |
| SPARC T7-2 Server | 4A994 / NLR |
| SPARC T7-4 Server | 4A994 / NLR |
| Sun SPARC Enterprise T1000 Server | EAR99 / NLR |
| Sun SPARC Enterprise T2000 Server | EAR99 / NLR |
| Sun SPARC Enterprise T5120 Server | EAR99 / NLR |
| Sun SPARC Enterprise T5140 Server | EAR99 / NLR |
| Sun SPARC Enterprise T5220 Server | EAR99 / NLR |
| Sun SPARC Enterprise T5240 Server | EAR99 / NLR |
| Sun SPARC Enterprise T5440 Server | 4A994 / NLR |
| 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 |

Acronyms

- 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