

Intel® RAID Options

Intel® RSTe

Intel® RSTe (also known as Intel® Rapid Storage Technology-Enterprise) is an embedded software RAID solution based on the Intel Chipset RAID Stack for on-server board SAS and SATA ports. It provides pass-through drive support as well as host based RAID 0/1/10 support and RAID 5 support for the SATA ports.

Intel® ESRT2 (LSI*)

Intel® ESRT2 (also known as Intel® Embedded Server RAID Technology 2) is an embedded software RAID solution based on the LSI MegaRAID* Stack for on-server board SAS and SATA ports. It supports RAID 0/1/10 and optional RAID 5 with the proper Intel® RAID C600 upgrade keys (must be purchased separately).

Intel® Integrated RAID Modules

Intel® Integrated RAID Modules connects to the on-board SAS Module Connector or a module enabled PCI-E slot. This is a cost-effective RAID solution providing more system design flexibility.

Must be purchased separately

RAID Adapters

Standard SAS or RAID HBA available from Intel® or 3rd Party suppliers. See Intel® Server Configurator Tool (<http://serverconfigurator.intel.com>) for the most up-to-date adapter support list for your system.

Must be purchased separately

Intel® RAID C600 Upgrade Keys

Embedded RAID functions for both On-board SATA/SAS Capable Controller and AHCI Capable SATA Controller can be upgraded by installing one of the Intel® RAID C600 Upgrade keys listed below.

Item	Product Code	Color	On-Board SATA/SAS Capable Controller	On-Board AHCI Capable SATA Controller
1	No Key (Default)	N/A	Intel® RSTe 4 ports SATA R0,1,10,5 or Intel® ESRT2 (LSI*) 4 ports SATA R0,1,10	Intel® RSTe SATA R0,1,10,5 or Intel® ESRT2 (LSI*) SATA R0,1,10
2	RKSATA4R5	Black	Same as item 1 but add RAID 5 support in Intel® ESRT2 (LSI*) mode	Same as item 1 but add RAID 5 support in Intel® ESRT2 (LSI*) mode
3	RKSATA8	Blue	Same as item 1 but activate all 8 ports	Same as item 1
4	RKSATA8R5	White	Same as item 3 but add RAID 5 support in Intel® ESRT2 (LSI*) mode	Same as item 1 but add RAID 5 support in Intel® ESRT2 (LSI*) mode
5	RKSAS4	Green	Intel® RSTe 4 ports SAS R0,1,10 or Intel® ESRT2 (LSI*) 4 ports SAS R0,1,10	Same as item 1
6	RKSAS4R5	Yellow	Same as item 5 but add RAID 5 support in Intel® ESRT2 (LSI*) mode	Same as item 1 but add RAID 5 support in Intel® ESRT2 (LSI*) mode
7	RKSAS8	Orange	Same as item 5 but activate all 8 ports	Same as item 1
8	RKSAS8R5	Purple	Same as item 7 but add RAID 5 support in Intel® ESRT2 (LSI*) mode	Same as item 1 but add RAID 5 support in Intel® ESRT2 (LSI*) mode

Note: Some of above Intel® RAID C600 Upgrade Keys may be not suitable for your Intel® platforms.
See Intel® Server Configurator Tool (<http://serverconfigurator.intel.com>) for the key support list for your system.

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