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RAID Options Available With Dual-Processor Intel® Server Boards

SW RAID = Intel® Embedded Server RAID Technology II, utilizing system processor(s) and memory.

HW RAID = Intel® Integrated RAID, utilizing dedicated Intel® IO Processor 333 and dedicated memory for outstanding performance and reliability.

Intel® Server Board SKU	Storage Ports Supported	Storage Controller	RAID Types and Levels Supported
S5000PAL S5000XAL S5000PSLSATA S5000XSLSATA S5000XVNSATA S5000VSASATA S5000VSA4DIMM	6 SATA ports	Onboard ESB2 chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5
S5000PSLSAS S5000XVNSAS S5000VSASAS	2 SATA ports 4 SAS ports <i>Up to 8 SAS or SATA drives via expander backplanes</i>	Onboard ESB2 chip Onboard LSI1064e SAS chip	SW RAID 0/1 standard SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5
S5000PSLROMB	6 SATA ports 4 internal + 4 external SAS ports <i>Up to 16 SAS or SATA drives via expander backplanes</i>	Onboard ESB2 chip ROMB SAS card	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5 HW RAID 0/1/10/5/50 Requires activation key AXXRAK18E and DIMM module Optional battery: AXXRSBBU3
S5000VSASCSI	6 SATA ports 1 SCSI channel	Onboard ESB2 chip SCSI card	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5 SW RAID 0/1 standard
S5000VCL	6 SATA ports	Onboard ESB2 chip	SW RAID 0/1/10 standard
S5000VCLSAS	2 SATA ports 4 SAS ports <i>Up to 8 SAS or SATA drives via expander backplanes</i>	Onboard ESB2 chip Onboard LSI1064e SAS chip	SW RAID 0/1 standard SW RAID 0/1/10 standard

RAID Options Available With Dual-Processor Intel® Server Systems

SW RAID = Intel® Embedded Server RAID Technology II, utilizing system processor(s) and memory.

HW RAID = Intel® Integrated RAID, utilizing dedicated Intel® IO Processor 333 and dedicated memory for outstanding performance and reliability.

Intel® Server System SKU	Embedded / Integrated RAID		Drives Supported by Enclosure (onboard controller may not support some configurations)	Add-in RAID Card Support
	Controller Type	RAID Types and Levels		
SR1500AL	SATA Onboard ESB2 chip	SW RAID 0/1 standard SW RAID 5 with AXXRAKSW5	3 hot-swap SAS/SATA 3.5" drives	Yes
SR1500ALSAS	SAS/SATA LSI1064e SAS chip on active backplane	SW RAID 0/1 standard SW RAID 5 with AXXRAKSW5	3 hot-swap SAS/SATA 3.5" drives	No
SR2500ALBRP	SATA Onboard ESB2 chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5	6 hot-swap SAS/SATA 3.5" drives <i>6th drive slot optional with ASR2500SIXDRV</i>	Yes
SR2500ALLX	SAS/SATA LSI1068 SAS chip on active midplane	SW RAID 0/1/10 standard HW RAID 0/1/10/5/50 with activation key AXXRAK18E and with mini-DIMM module AXXMINIDIMM	6 hot-swap SAS/SATA 3.5" drives <i>6th drive slot optional with ASR2500SIXDRV</i>	No
SR1550AL	SATA 6 ports only Onboard ESB2 chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5	8 hot-swap SAS/SATA 2.5" drives <i>7th and 8th drive slots optional with FXX25HDDCAR</i>	Yes
SR1550ALSAS	SAS/SATA LSI1068 SAS chip on active midplane	SW RAID 0/1/10 standard HW RAID 0/1/10/5/50 with activation key AXXRAK18E and with mini-DIMM module AXXMINIDIMM	8 hot-swap SAS/SATA 2.5" drives <i>7th and 8th drive slots optional with FXX25HDDCAR</i>	No
SR1530CL	SATA Onboard ESB2 chip	SW RAID 0/1 standard	3 fixed SATA 3.5" drives	Yes
SR1530HCL	SATA Onboard ESB2 chip	SW RAID 0/1 standard	3 hot-swap SAS/SATA 3.5" drives	Yes
SR1530HCLS	SAS/SATA Onboard LSI1064e SAS chip	SW RAID 0/1 standard	3 hot-swap SAS/SATA 3.5" drives	Yes
SR2520SAF	SATA Onboard ESB2 chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5	6 fixed SATA 3.5" drives	Low-profile only
SR2520SAX	SATA Onboard ESB2 chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5	6 hot-swap SATA 3.5" drives	Low-profile only No drive fault LEDs
SR2520SAXS	SAS/SATA Onboard LSI1064e SAS chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5	6 hot-swap SAS/SATA 3.5" drives	No
SC5400RA	SATA Onboard ESB2 chip	SW RAID 0/1/10 standard SW RAID 5 with AXXRAKSW5	6 fixed SATA 3.5" drives or 6 hot-swap SAS/SATA 3.5" drives with AXXDRV3G	Yes