

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
7X02A086CN	1x Gold 6240 18C 150W 2.6G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09RCN	1x Gold 6240 18C 150W 2.6G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A08ZCN	1x Gold 6242 16C 150W 2.8G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0BBCN	1x Gold 6242 16C 150W 2.8G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09HCN	1x Gold 6248 20C 150W 2.5G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0A0CN	1x Gold 6248 20C 150W 2.5G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A08DCN	1x Gold 6252 24C 150W 2.1G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0A1CN	1x Gold 6252 24C 150W 2.1G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt

† Processor description: Processor model, number of cores, thermal design power (TDP), core frequency

Models for India

Table 9. Models for India

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
TopSeller models with a 3-year warranty (machine type 7X02)										
7X02A08GSG	1x Bronze 3204 6C 85W 1.9G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0B5SG	1x Bronze 3204 6C 85W 1.9G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0A3SG	1x Silver 4208 8C 85W 2.1G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0A8SG	1x Silver 4208 8C 85W 2.1G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0AASG	1x Silver 4210 10C 85W 2.2G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0BASG	1x Silver 4210 10C 85W 2.2G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A08LSG	1x Silver 4214 12C 85W 2.2G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0BCSG	1x Silver 4214 12C 85W 2.2G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09USG	1x Silver 4215 8C 85W 2.5G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0ASSG	1x Silver 4215 8C 85W 2.5G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A07XSG	1x Silver 4216 16C 100W 2.1G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09PSG	1x Silver 4216 16C 100W 2.1G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A081SG	1x Gold 5215 10C 85W 2.5G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
7X02A097SG	1x Gold 5215 10C 85W 2.5G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A094SG	1x Gold 5217 8C 115W 3.0G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09ASG	1x Gold 5217 8C 115W 3.0G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A092SG	1x Gold 5218 16C 125W 2.3G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A096SG	1x Gold 5218 16C 125W 2.3G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A08XSG	1x Gold 5220 18C 125W 2.2G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09YSG	1x Gold 5220 18C 125W 2.2G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09SSG	1x Gold 6230 20C 125W 2.1G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0AJSG	1x Gold 6230 20C 125W 2.1G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A08MSG	1x Gold 6240 18C 150W 2.6G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0BDSG	1x Gold 6240 18C 150W 2.6G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0AKSG	1x Gold 6242 16C 150W 2.8G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0ANS	1x Gold 6242 16C 150W 2.8G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A08ASG	1x Gold 6248 20C 150W 2.5G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A09GSG	1x Gold 6248 20C 150W 2.5G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0ADSG	1x Gold 6252 24C 150W 2.1G	1x 16GB 2Rx8 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt
7X02A0B0SG	1x Gold 6252 24C 150W 2.1G	1x 16GB 2Rx8 2933	930-8i	4x 3.5" SAS, Open bay	Open	x8 LP, x16 LP	1x 750W	Opt	Std	Opt

† Processor description: Processor model, number of cores, thermal design power (TDP), core frequency

Models for Japan

Table 10. Models for Japan

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
Standard models with a 3-year warranty (machine type 7X02)										
7X02A0FLJP	1x Silver 4215R 8C 130W 3.2G	1x 16GB 1Rx4 2666	Option	Option 2.5"/8, Open bay	4x1Gb	Open	1x 550W	Opt	Adv	Slide
7X02A0FFJP	1x Gold 5218R 20C 125W 2.1G	1x 16GB 1Rx4 2666	Option	Option 2.5"/8, Open bay	4x1Gb	Open	1x 550W	Opt	Adv	Slide
7X02A0FJJP	1x Gold 5220R 24C 150W 2.2G	1x 16GB 1Rx4 2666	Option	Option 2.5"/8, Open bay	4x1Gb	Open	1x 750W	Opt	Adv	Slide
7X02A0BKJP	1x Gold 6242 16C 150W 2.8G	1x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
7X02A0BEJP	1x Gold 6244 8C 150W 3.6G	1x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0AFJP	1x Gold 6248 20C 150W 2.5G	1x 16GB 2Rx8 2933	930-8i	10x 2.5" (6xSAS + 4xAny), Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A080JP	1x Gold 6252 24C 150W 2.1G	1x 16GB 2Rx8 2933	Option	10x 2.5" NVMe, Open bay	4x1Gb	x8 LP, x16 LP	1x 1100W	Opt	Adv	Slide
7X02A0BHJP	1x Gold 6254 18C 200W 3.1G	1x 16GB 2Rx8 2933	Option	Option 2.5"/10, Open bay	4x1Gb	x8 LP, x16 LP	1x 1100W	Opt	Adv	Slide
7X02A09QJP	1x Platinum 8276 28C 165W 2.2G	1x 16GB 2Rx8 2933	930-8i	10x 2.5" (6xSAS + 4xAny), Open bay	4x1Gb	x8 LP, x16 LP	1x 1100W	Opt	Adv	Slide
TopSeller models with a 3-year warranty (machine type 7X02)										
7X02A084JP	1x Bronze 3204 6C 85W 1.9G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A0B8JP	1x Bronze 3204 6C 85W 1.9G	1x 16GB 1Rx4 2666	530-8i	4x 3.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A0FEJP	1x Bronze 3206R 8C 85W 1.9G	1x 16GB 1Rx4 2666	Option	Option 2.5"/8, Open bay	4x1Gb	Open	1x 550W	Opt	Adv	Slide
7X02A09BJP	1x Silver 4208 8C 85W 2.1G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A08WJP	1x Silver 4210 10C 85W 2.2G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A0B9JP	1x Silver 4210 10C 85W 2.2G	1x 16GB 1Rx4 2666	530-8i	4x 3.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A0FNJP	1x Silver 4210R 10C 100W 2.4G	1x 16GB 1Rx4 2666	Option	Option 2.5"/8, Open bay	4x1Gb	Open	1x 550W	Opt	Adv	Slide
7X02A08YJP	1x Silver 4214 12C 85W 2.2G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A0FMJP	1x Silver 4214R 12C 100W 2.4G	1x 16GB 1Rx4 2666	Option	Option 2.5"/8, Open bay	4x1Gb	Open	1x 550W	Opt	Adv	Slide
7X02A09LJP	1x Silver 4215 8C 85W 2.5G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A08NJP	1x Silver 4216 16C 100W 2.1G	1x 16GB 1Rx4 2666	530-8i	4x 3.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A09MJP	1x Silver 4216 16C 100W 2.1G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 550W	Opt	Adv	Slide
7X02A09NJP	1x Gold 5215 10C 85W 2.5G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0B1JP	1x Gold 5217 8C 115W 3.0G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0AMJP	1x Gold 5218 16C 125W 2.3G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0A2JP	1x Gold 5220 18C 125W 2.2G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0A4JP	1x Gold 5222 4C 105W 3.8G	1x 16GB 1Rx4 2666	730-8i 2GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0A7JP	1x Gold 6230 20C 125W 2.1G	1x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide
7X02A0AWJP	1x Gold 6240 18C 150W 2.6G	1x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 LP	1x 750W	Opt	Adv	Slide

† Processor description: Processor model, number of cores, thermal design power (TDP), core frequency

Models for Latin American countries (except Brazil)

Table 11. Models with a 3-year warranty for Latin American countries (except Brazil)

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
Standard models with a 3-year warranty (machine type 7X02)										
7X02A0G6LA	1x Silver 4210R 10C 100W 2.4G	1x 16GB 2Rx8 2933	730-8i 1GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 FH	1x 750W	Yes	Std	Slide
7X02A0G4LA	1x Silver 4214R 12C 100W 2.4G	1x 16GB 2Rx8 2933	730-8i 1GB	8x 2.5" SAS, Open bay	4x1Gb	x8 LP, x16 FH	1x 750W	Yes	Std	Slide
7X02A0G5LA	1x Gold 5218R 20C 125W 2.1G	1x 32GB 2933	930-16i 4GB	8x 2.5" SAS, Open bay	2x10Gb RJ45	x8 LP, x16 FH	2x 750W	Yes	Ent	Slide
7X02A0G2LA	1x Gold 6230R 26C 150W 2.1G	2x 32GB 2933	930-16i 4GB	8x 2.5" SAS, Open bay	4x10Gb RJ45	x8 LP, x16 FH	2x 750W	Yes	Ent	Slide
7X02A0G1LA	1x Gold 6240R 24C 165W 2.4G	2x 32GB 2933	930-16i 4GB	8x 2.5" SAS, Open bay	4x10Gb RJ45	x8 LP, x16 FH	2x 750W	Yes	Ent	Slide
SAP HANA Business One models with a 3-year warranty (machine type 7X02)										
7X02A0DKLA	2x Silver 4210 10C 85W 2.2G	12x 8GB 2933	930-8i	8x 2.5" SAS, 4x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DLLA	2x Silver 4210 10C 85W 2.2G	12x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, 5x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DMLA	2x Silver 4210 10C 85W 2.2G	12x 8GB 2933	930-8i	8x 2.5" SAS, 6x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DNLA	2x Silver 4210 10C 85W 2.2G	12x 32GB 2933	930-8i	8x 2.5" SAS, 6x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DSLA	2x Silver 4210 10C 85W 2.2G	12x 8GB 2933	930-8i	8x 2.5" SAS, 3x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DTLA	2x Silver 4210 10C 85W 2.2G	12x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, 3x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DULA	2x Silver 4210 10C 85W 2.2G	12x 8GB 2933	930-8i	8x 2.5" SAS, 3x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DVLA	2x Silver 4210 10C 85W 2.2G	12x 32GB 2933	930-8i	8x 2.5" SAS, 4x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DPLA	2x Silver 4214 12C 85W 2.2G	12x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, 7x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DQLA	2x Silver 4214 12C 85W 2.2G	12x 64GB 2933	930-8i	8x 2.5" SAS, 8x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DRLA	2x Silver 4214 12C 85W 2.2G	24x 64GB 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), 10x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DWLA	2x Silver 4214 12C 85W 2.2G	12x 16GB 2Rx8 2933	930-8i	8x 2.5" SAS, 5x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DXLA	2x Silver 4214 12C 85W 2.2G	12x 64GB 2933	930-8i	8x 2.5" SAS, 5x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide
7X02A0DYLA	2x Silver 4214 12C 85W 2.2G	24x 64GB 2933	930-16i 4GB	10x 2.5" (6xSAS + 4xAny), 9x 960GB S4610	4x1Gb	Open	2x 750W	Opt	Ent	Slide

† Processor description: Processor model, number of cores, thermal design power (TDP), core frequency

Models for USA and Canada

Table 12. Models for USA and Canada

Model	Intel Xeon Scalable processor†	Memory	RAID	Front drive bays and drives	LOM	Rear Slots	Power supply	Front VGA	XCC	Rail kit
Standard models with a 3-year warranty (machine type 7X02)										
7X021014NA	1x Silver 4208 8C 85W 2.1G	1x 8GB 2933	Option	Option 2.5"/8, Open bay	2x1Gb	x8 LP, x16 LP	1x 1100W	Opt	Adv	Slide
7X02A0CENA	1x Silver 4208 8C 85W 2.1G	1x 16GB 2Rx8 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0FANA	1x Silver 4208 8C 85W 2.1G	1x 16GB 2Rx8 2933	530-8i	4x 3.5" SAS, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0HDNA	1x Silver 4208 8C 85W 2.1G	1x 32GB 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0CGNA	1x Silver 4214 12C 85W 2.2G	1x 16GB 2Rx8 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0H8NA	1x Silver 4214 12C 85W 2.2G	1x 32GB 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0CJNA	1x Silver 4216 16C 100W 2.1G	1x 16GB 2Rx8 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0GYNA	1x Silver 4216 16C 100W 2.1G	1x 32GB 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0CKNA	1x Gold 5218 16C 125W 2.3G	1x 32GB 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X02A0H9NA	1x Gold 5218 16C 125W 2.3G	1x 32GB 2933	Option	Option 2.5"/8, Open bay	Open	Open	1x 750W	Yes	Ent	Slide
7X021015NA	1x Gold 5222 4C 105W 3.8G	1x 8GB 2933	Option	Option 2.5"/8, Open bay	2x1Gb	x8 LP, x16 LP	1x 1100W	Opt	Adv	Slide
7X021016NA	1x Gold 6208U 16C 150W 2.9G	1x 8GB 2933	Option	Option 2.5"/8, Open bay	2x1Gb	x8 LP, x16 LP	1x 1100W	Opt	Adv	Slide

† Processor description: Processor model, number of cores, thermal design power (TDP), core frequency

Processors

The SR630 server supports one or two Intel Xeon Bronze, Silver, Gold, or Platinum processors. The following table lists the specifications of the processors for the SR630 server.

Processor support: Both 1st Gen and 2nd Gen Intel Xeon SP processors are supported. For supported 1st Gen processors, see the [Continued support for 1st Gen Intel Xeon Scalable processors](#) section.

Abbreviations used in the table:

- UPI: Ultra Path Interconnect
- TDP: Thermal Design Power
- HT: Hyper-Threading
- TB: Turbo Boost 2.0
- VT-x: Virtualization Technology
- VT-d: Virtualization Technology for Directed I/O
- SST-PP: Speed Select Technology - Performance Profile
- FMA: Fused-Multiply Add (AVX-512)
- DCPMM: DC Persistent Memory Module
- RAS: Reliability, Availability, and Serviceability
 - Std: Standard RAS
 - Adv: Advanced RAS

Table 13. Processor specifications

CPU model	Cores / threads	Core speed (Base / TB Max)	Cache	Max DDR4 speed	Max memory capacity per socket	UPI speed	TDP	HT	TB	VT-x	VT-d	SST-PP	FMA units	DCPMM	RAS
Intel Xeon Bronze processors															
3204	6 / 6	1.9 / 1.9 GHz	8.25 MB	2133 MHz	1 TB	9.6 GT/s	85 W	N	N	Y	Y	N	1	N	Std
3206R	8 / 8	1.9 / 1.9 GHz	11 MB	2133 MHz	1 TB	9.6 GT/s	85 W	N	N	Y	Y	N	1	N	Std
Intel Xeon Silver processors															
4208	8 / 16	2.1 / 3.2 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	N	Std
4209T	8 / 16	2.2 / 3.2 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	70 W	Y	Y	Y	Y	N	1	N	Std
4210	10 / 20	2.2 / 3.2 GHz	13.75 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	N	Std
4210R	10 / 20	2.4 / 3.2 GHz	13.75 MB	2400 MHz	1 TB	9.6 GT/s	100 W	Y	Y	Y	Y	N	1	N	Std
4210T	10 / 20	2.3 / 3.2 GHz	13.75 MB	2400 MHz	1 TB	9.6 GT/s	95 W	Y	Y	Y	Y	N	1	N	Std
4214	12 / 24	2.2 / 3.2 GHz	16.5 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	N	Std
4214R	12 / 24	2.4 / 3.5 GHz	16.5 MB	2400 MHz	1 TB	9.6 GT/s	100 W	Y	Y	Y	Y	N	1	N	Std
4214Y	12 / 24	2.2 / 3.2 GHz	16.5 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	Y	1	N	Std
	10 / 20	2.3 / 3.2 GHz													
	8 / 16	2.4 / 3.2 GHz													
4215	8 / 16	2.5 / 3.5 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Std
4215R	8 / 16	3.2 / 4.0 GHz	11 MB	2400 MHz	1 TB	9.6 GT/s	130 W	Y	Y	Y	Y	N	1	Y	Std
4216	16 / 32	2.1 / 3.2 GHz	22 MB	2400 MHz	1 TB	9.6 GT/s	100 W	Y	Y	Y	Y	N	1	N	Std
Intel Xeon Gold processors															
5215	10 / 20	2.5 / 3.4 GHz	13.75 MB	2666 MHz	1 TB	10.4 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Adv
5215L	10 / 20	2.5 / 3.4 GHz	13.75 MB	2666 MHz	4.5 TB	10.4 GT/s	85 W	Y	Y	Y	Y	N	1	Y	Adv
5217	8 / 16	3.0 / 3.7 GHz	11 MB	2666 MHz	1 TB	10.4 GT/s	115 W	Y	Y	Y	Y	N	1	Y	Adv
5218	16 / 32	2.3 / 3.9 GHz	22 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5218B	16 / 32	2.3 / 3.9 GHz	22 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5218R	20 / 40	2.1 / 4.0 GHz	27.5 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5218N	16 / 32	2.3 / 3.7 GHz	22 MB	2666 MHz	1 TB	10.4 GT/s	110 W	Y	Y	Y	Y	N	1	Y	Adv
5218T	16 / 32	2.1 / 3.8 GHz	22 MB	2666 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	1	Y	Adv

CPU model	Cores / threads	Core speed (Base / TB Max)	Cache	Max DDR4 speed	Max memory capacity per socket	UPI speed	TDP	HT	TB	VT-x	VT-d	SST-PP	FMA units	DCPMM	RAS
5220	18 / 36	2.2 / 3.9 GHz	24.75 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5220R	24 / 48	2.2 / 4.0 GHz	35.75 MB	2666 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	1	Y	Adv
5220S	18 / 36	2.7 / 3.9 GHz	24.75 MB	2666 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	1	Y	Adv
5220T	18 / 36	1.9 / 3.9 GHz	24.75 MB	2666 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	1	Y	Adv
5222	4 / 8	3.8 / 3.9 GHz	16.5 MB	2933 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	2	Y	Adv
6208U	16 / 32	2.9 / 3.9 GHz	22 MB	2933 MHz	1 TB	No UPI	150 W	Y	Y	Y	Y	N	2	Y	Adv
6222V	20 / 40	1.8 / 3.6 GHz	27.5 MB	2400 MHz	1 TB	10.4 GT/s	115 W	Y	Y	Y	Y	N	2	Y	Adv
6226	12 / 24	2.7 / 3.7 GHz	19.25 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6226R	16 / 32	2.9 / 3.9 GHz	22 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6230	20 / 40	2.1 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6230N	20 / 40	2.3 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6230R	26 / 52	2.1 / 4.0 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6230T	20 / 40	2.1 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6234	8 / 16	3.3 / 4.0 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	130 W	Y	Y	Y	Y	N	2	Y	Adv
6238	22 / 44	2.1 / 3.7 GHz	30.25 MB	2933 MHz	1 TB	10.4 GT/s	140 W	Y	Y	Y	Y	N	2	Y	Adv
6238L	22 / 44	2.1 / 3.7 GHz	30.25 MB	2933 MHz	4.5 TB	10.4 GT/s	140 W	Y	Y	Y	Y	N	2	Y	Adv
6238R	28 / 56	2.2 / 4.0 GHz	38.5 MB	2933 MHz	1 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
6238T	22 / 44	1.9 / 3.7 GHz	30.25 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
6240	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6240L	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	4.5 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6240R	24 / 48	2.4 / 4.0 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
6240Y	18 / 36	2.6 / 3.9 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	Y	2	Y	Adv
	14 / 28	2.8 / 3.9 GHz						Y	Y	Y	Y	Y	2	Y	Adv
	8 / 16	3.1 / 3.9 GHz						Y	Y	Y	Y	Y	2	Y	Adv
6242	16 / 32	2.8 / 3.9 GHz	22 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6242R	20 / 40	3.1 / 4.1 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
6244	8 / 16	3.6 / 4.4 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6246	12 / 24	3.3 / 4.2 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
6246R	16 / 32	3.4 / 4.1 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
6248	20 / 40	2.5 / 3.9 GHz	27.5 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv

CPU model	Cores / threads	Core speed (Base / TB Max)	Cache	Max DDR4 speed	Max memory capacity per socket	UPI speed	TDP	HT	TB	VT-x	VT-d	SST-PP	FMA units	DCPMM	RAS
6248R	24 / 48	3.0 / 4.0 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
6252	24 / 48	2.1 / 3.7 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6252N	24 / 48	2.3 / 3.6 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	150 W	Y	Y	Y	Y	N	2	Y	Adv
6254	18 / 36	3.1 / 4.0 GHz	24.75 MB	2933 MHz	1 TB	10.4 GT/s	200 W	Y	Y	Y	Y	N	2	Y	Adv
6258R	28 / 56	2.7 / 4.0 GHz	38.5 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
6262V	24 / 48	1.9 / 3.6 GHz	33 MB	2400 MHz	1 TB	10.4 GT/s	135 W	Y	Y	Y	Y	N	2	Y	Adv
Intel Xeon Platinum processors															
8253	16 / 32	2.2 / 3.0 GHz	22 MB	2933 MHz	1 TB	10.4 GT/s	125 W	Y	Y	Y	Y	N	2	Y	Adv
8256	4 / 8	3.8 / 3.9 GHz	16.5 MB	2933 MHz	1 TB	10.4 GT/s	105 W	Y	Y	Y	Y	N	2	Y	Adv
8260	24 / 48	2.4 / 3.9 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
8260L	24 / 48	2.4 / 3.9 GHz	35.75 MB	2933 MHz	4.5 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
8260Y	24 / 48	2.4 / 3.9 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	165 W	Y	Y	Y	Y	Y	2	Y	Adv
	20 / 40	2.5 / 3.9 GHz													
	16 / 32	2.7 / 3.9 GHz													
8268	24 / 48	2.9 / 3.9 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
8270	26 / 52	2.7 / 4.0 GHz	35.75 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
8276	28 / 56	2.2 / 4.0 GHz	38.5 MB	2933 MHz	1 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
8276L	28 / 56	2.2 / 4.0 GHz	38.5 MB	2933 MHz	4.5 TB	10.4 GT/s	165 W	Y	Y	Y	Y	N	2	Y	Adv
8280	28 / 56	2.7 / 4.0 GHz	38.5 MB	2933 MHz	1 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv
8280L	28 / 56	2.7 / 4.0 GHz	38.5 MB	2933 MHz	4.5 TB	10.4 GT/s	205 W	Y	Y	Y	Y	N	2	Y	Adv

Configuration notes:

- The Intel Xeon Gold 5218 and 5218B processors have similar specifications; however, they use different silicon designs and cannot be mixed in the same system.
- Processors with a U suffix are only supported in single-processor configurations. This limits the PCIe slots that can be used.
- The processors that support SST-PP offer three distinct operating points that are defined by a core count with a base speed associated with that core count. The operating point is static, it is selected during the boot process and cannot be changed at runtime.

For the SR630 server models that come standard with one processor, the second processor can be ordered, if required (see the following table for ordering information). The second processor must be of the same model as the first processor. The second processor option includes a processor and a heatsink; two additional system fans are not included and need to be purchased with the second processor (see [Cooling](#) for details).

Table 14. Processor options

Part number	Feature code*	Description
Intel Xeon Bronze processors		
4XG7A37939	B4HU	SR530/SR570/SR630 Intel Xeon Bronze 3204 6C 85W 1.9GHz Processor w/o FAN
4XG7A37990	B7N3	SR530/SR570/SR630 Intel Xeon Bronze 3206R 8C 85W 1.9GHz Processor w/o FAN
Intel Xeon Silver processors		
4XG7A37936	B4HT	SR530/SR570/SR630 Intel Xeon Silver 4208 8C 85W 2.1GHz Processor w/o FAN
4XG7A37945	B4P4	SR530/SR570/SR630 Intel Xeon Silver 4209T 8C 70W 2.2GHz Processor w/o FAN
4XG7A37933	B4HS	SR530/SR570/SR630 Intel Xeon Silver 4210 10C 85W 2.2GHz Processor w/o FAN
4XG7A37988	B7N5	SR530/SR570/SR630 Intel Xeon Silver 4210R 10C 100W 2.4GHz Processor w/o FAN
4XG7A63300	BAZT	SR630 Intel Xeon Silver 4210T 10C 95W 2.3GHz Processor w/o FAN
4XG7A37930	B4HR	SR530/SR570/SR630 Intel Xeon Silver 4214 12C 85W 2.2GHz Processor w/o FAN
4XG7A37987	B7N6	SR530/SR570/SR630 Intel Xeon Silver 4214R 12C 100W 2.4GHz Processor w/o FAN
4XG7A37942	B4NW	SR530/SR570/SR630 Intel Xeon Silver 4214Y 12/10/8C 85W 2.2GHz Processor w/o FAN
4XG7A37927	B4HQ	SR530/SR570/SR630 Intel Xeon Silver 4215 8C 85W 2.5GHz Processor w/o FAN
4XG7A63298	BAZU	SR570/SR630 Intel Xeon Silver 4215R 8C 130W 3.2GHz Processor w/o FAN
4XG7A37924	B4HP	SR530/SR570/SR630 Intel Xeon Silver 4216 16C 100W 2.1GHz Processor w/o FAN
Intel Xeon Gold processors		
4XG7A37917	B4HN	SR530/SR570/SR630 Intel Xeon Gold 5215 10C 85W 2.5GHz Processor w/o FAN
4XG7A37911	B4P9	SR530/SR570/SR630 Intel Xeon Gold 5215L 10C 85W 2.5GHz Processor w/o FAN
4XG7A37920	B4HM	SR630 Intel Xeon Gold 5217 8C 115W 3.0GHz Processor w/o FAN
4XG7A37896	B4HL	SR530/SR570/SR630 Intel Xeon Gold 5218 16C 125W 2.3GHz Processor w/o FAN
4XG7A37959	B6BS	SR530/SR570/SR630 Intel Xeon Gold 5218B 16C 125W 2.3GHz Processor w/o FAN
4XG7A63296	BAZS	SR530/SR570/SR630 Intel Xeon Gold 5218R 20C 125W 2.1GHz Processor w/o FAN
4XG7A37956	B5S0	SR630 Intel Xeon Gold 5218N 16C 110W 2.3GHz Processor Option Kit w/o FAN
4XG7A37966	B4P3	SR630 Intel Xeon Gold 5218T 16C 105W 2.1GHz Processor w/o FAN
4XG7A37893	B4HK	SR530/SR570/SR630 Intel Xeon Gold 5220 18C 125W 2.2GHz Processor w/o FAN
4XG7A37984	B7N9	SR570/SR630 Intel Xeon Gold 5220R 24C 150W 2.2GHz Processor w/o FAN
4XG7A38018	B6CW	SR530/SR570/SR630 Intel Xeon Gold 5220S 18C 125W 2.7GHz Processor w/o FAN
4XG7A15809	B6CQ	SR630 Intel Xeon Gold 5220T 18C 105W 1.9GHz Processor w/o Fan
4XG7A37952	B5S1	SR630 Intel Xeon Gold 5222 4C 105W 3.8GHz Processor w/o FAN
None**	BAZV	Intel Xeon Gold 6208U 16C 150W 2.9GHz Processor
4XG7A38022	B6CV	SR530/SR570/SR630 Intel Xeon Gold 6222V 20C 115W 1.8GHz Processor w/o FAN
4XG7A38020	B6CL	SR530/SR570/SR630 Intel Xeon Gold 6226 12C 125W 2.7GHz Processor w/o FAN
4XG7A63292	BAZW	SR570/SR630 Intel Xeon Gold 6226R 16C 150W 2.9GHz Processor w/o FAN
4XG7A37890	B4HJ	SR530/SR570/SR630 Intel Xeon Gold 6230 20C 125W 2.1GHz Processor w/o FAN
4XG7A15720	B5RY	SR630 Intel Xeon Gold 6230N 20C 125W 2.3GHz Processor Option Kit w/o FAN
4XG7A63290	BAZX	SR570/SR630 Intel Xeon Gold 6230R 26C 150W 2.1GHz Processor w/o FAN
4XG7A15808	B6CP	SR630 Intel Xeon Gold 6230T 20C 125W 2.1GHz Processor w/o Fan
4XG7A38000	B6CK	SR570/SR630 Intel Xeon Gold 6234 8C 130W 3.3GHz Processor w/o FAN
4XG7A38024	B6CJ	SR570/SR630 Intel Xeon Gold 6238 22C 140W 2.1GHz Processor w/o FAN

Part number	Feature code*	Description
4XG7A38002	B6CR	SR570/SR630 Intel Xeon Gold 6238L 22C 140W 2.1GHz Processor w/o FAN
4XG7A63288	BAZL	SR630 Intel Xeon Gold 6238R 28C 165W 2.2GHz Processor w/o FAN
4XG7A37907	B4P2	SR630 Intel Xeon Gold 6238T 22C 125W 1.9GHz Processor w/o FAN
4XG7A37884	B4HH	SR570/SR630 Intel Xeon Gold 6240 18C 150W 2.6GHz Processor w/o FAN
4XG7A38014	B6CS	SR570/SR630 Intel Xeon Gold 6240L 18C 150W 2.6GHz Processor w/o FAN
4XG7A63286	BAZM	SR630 Intel Xeon Gold 6240R 24C 165W 2.4GHz Processor w/o FAN
4XG7A37904	B4NV	SR630 Intel Xeon Gold 6240Y 18/14/8C 150W 2.6GHz Processor w/o FAN
4XG7A37887	B4HG	SR630 Intel Xeon Gold 6242 16C 150W 2.8GHz Processor w/o FAN
4XG7A63284	BAZN	SR630 Intel Xeon Gold 6242R 20C 205W 3.1GHz Processor w/o FAN
4XG7A15875	B4HF	SR630 Intel Xeon Gold 6244 8C 150W 3.6GHz Processor w/o FAN
4XG7A37965	B6PD	SR630 Intel Xeon Gold 6246 12C 165W 3.3GHz Processor w/o FAN
4XG7A63282	BAZP	SR630 Intel Xeon Gold 6246R 16C 205W 3.4GHz Processor w/o FAN
4XG7A15893	B4HE	SR570/SR630 Intel Xeon Gold 6248 20C 150W 2.5GHz Processor w/o FAN
4XG7A63280	BAZQ	SR630 Intel Xeon Gold 6248R 24C 205W 3.0GHz Processor w/o FAN
4XG7A15890	B4HC	SR570/SR630 Intel Xeon Gold 6252 24C 150W 2.1GHz Processor w/o FAN
4XG7A15812	B6CT	SR630 Intel Xeon Gold 6252N 24C 150W 2.3GHz Processor w/o FAN
4XG7A15873	B4HD	SR630 Intel Xeon Gold 6254 18C 200W 3.1GHz Processor w/o FAN
4XG7A63278	BAZR	SR630 Intel Xeon Gold 6258R 28C 205W 2.7GHz Processor w/o FAN
4XG7A38009	B6CU	SR570/SR630 Intel Xeon Gold 6262V 24C 135W 1.9GHz Processor w/o FAN
Intel Xeon Platinum processors		
4XG7A37899	B5RZ	SR530/SR570/SR630 Intel Xeon Platinum 8253 16C 125W 2.2GHz Processor w/o FAN
4XG7A37948	B5S2	SR630 Intel Xeon Platinum 8256 4C 105W 3.8GHz Processor w/o FAN
4XG7A15888	B4HB	SR630 Intel Xeon Platinum 8260 24C 165W 2.4GHz Processor w/o FAN
4XG7A15884	B4P7	SR630 Intel Xeon Platinum 8260L 24C 165W 2.4GHz Processor w/o FAN
4XG7A37902	B4NU	SR630 Intel Xeon Platinum 8260Y 24/20/16C 165W 2.4GHz Processor w/o FAN
4XG7A15871	B4HA	SR630 Intel Xeon Platinum 8268 24C 205W 2.9GHz Processor w/o FAN
4XG7A15869	B4H9	SR630 Intel Xeon Platinum 8270 26C 205W 2.7GHz Processor w/o FAN
4XG7A15882	B4H8	SR630 Intel Xeon Platinum 8276 28C 165W 2.2GHz Processor w/o FAN
4XG7A15878	B4P6	SR630 Intel Xeon Platinum 8276L 28C 165W 2.2GHz Processor w/o FAN
4XG7A15867	B4H7	SR630 Intel Xeon Platinum 8280 28C 205W 2.7GHz Processor w/o FAN
4XG7A15863	B4P5	SR630 Intel Xeon Platinum 8280L 28C 205W 2.7GHz Processor w/o FAN

* For CTO configurations, the feature code represents a processor, and fans and heatsinks are derived by the configuration tool.

** Factory-installed only; no field upgrade. Supported in the single-processor configurations only.

Configuration note: If processors with 200 W or 205 W TDP are used, or if Gold 6240Y, 6244, 6246, or 6252N processors are used, the following conditions must be met:

- No rear HDD kit installed
- No U.2 NVMe 10-bay backplane installed
- No PCIe flash adapters installed
- No GPUs installed
- No persistent memory modules installed
- A maximum of one supercapacitor module installed
- ASHRAE A2 (35°C [95 °F]) only
- The server performance might be impacted in case of a fan failure
- No backplanes installed, or 2.5" 10-bay AnyBay backplane with up to 4 drives installed (For Gold 6240Y, 6242R, 6246R, 6248R, 6254, and 6258R processors only)

Continued support for 1st Gen Intel Xeon Scalable processors

The SR630 also continues to support the 1st Gen Intel Xeon Scalable processors (formerly codenamed "Skylake") listed in the following table.

Table 15. Long-life 1st Gen Intel Xeon Scalable processors

Part number	Feature code	Description
7XG7A05526	AWEH	ThinkSystem SR630 Intel Xeon Bronze 3106 8C 85W 1.7GHz Processor Option Kit
7XG7A05530	AWET	ThinkSystem SR630 Intel Xeon Silver 4109T 8C 70W 2.0GHz Processor Option Kit
7XG7A05531	AWEE	ThinkSystem SR630 Intel Xeon Silver 4110 8C 85W 2.1GHz Processor Option Kit
7XG7A05535	AWES	ThinkSystem SR630 Intel Xeon Silver 4114T 10C 85W 2.2GHz Processor Option Kit
7XG7A05532	AWER	ThinkSystem SR630 Intel Xeon Silver 4116 12C 85W 2.1GHz Processor Option Kit
7XG7A05529	AWEA	ThinkSystem SR630 Intel Xeon Silver 4116T 12C 85W 2.1GHz Processor Option Kit
7XG7A05551	No CTO*	ThinkSystem SR630 Intel Xeon Gold 5115 10C 85W 2.4GHz Processor Option Kit
7XG7A05536	AWEP	ThinkSystem SR630 Intel Xeon Gold 5118 12C 105W 2.3GHz Processor Option Kit
7XG7A05537	AWEQ	ThinkSystem SR630 Intel Xeon Gold 5119T 14C 85W 1.9GHz Processor Option Kit
7XG7A05538	AWE8	ThinkSystem SR630 Intel Xeon Gold 5120T 14C 105W 2.2GHz Processor Option Kit
7XG7A05546	AWEL	ThinkSystem SR630 Intel Xeon Gold 6126 12C 125W 2.6GHz Processor Option Kit
7XG7A05545	AWE5	ThinkSystem SR630 Intel Xeon Gold 6126T 12C 125W 2.6GHz Processor Option Kit
7XG7A05543	AWEN	ThinkSystem SR630 Intel Xeon Gold 6130 16C 125W 2.1GHz Processor Option Kit
7XG7A05542	AWE4	ThinkSystem SR630 Intel Xeon Gold 6130T 16C 125W 2.1GHz Processor Option Kit
7XG7A05560	No CTO*	ThinkSystem SR630 Intel Xeon Gold 6134 8C 130W 3.2GHz Processor Option Kit
7XG7A05541	AWDZ	ThinkSystem SR630 Intel Xeon Gold 6138 20C 125W 2.0GHz Processor Option Kit
7XG7A05540	AWEM	ThinkSystem SR630 Intel Xeon Gold 6138T 20C 125W 2.0GHz Processor Option Kit
7XG7A05556	No CTO*	ThinkSystem SR630 Intel Xeon Gold 6142 16C 150W 2.6GHz Processor Option Kit
7XG7A05555	No CTO*	ThinkSystem SR630 Intel Xeon Gold 6144 8C 155W 3.5GHz Processor Option Kit
7XG7A05554	No CTO*	ThinkSystem SR630 Intel Xeon Gold 6146 12C 165W 3.2GHz Processor Option Kit
7XG7A05552	No CTO*	ThinkSystem SR630 Intel Xeon Gold 6150 18C 165W 2.7GHz Processor Option Kit
7XG7A05549	No CTO*	ThinkSystem SR630 Intel Xeon Platinum 8153 16C 125W 2.0GHz Processor Option Kit
7XG7A05548	No CTO*	ThinkSystem SR630 Intel Xeon Platinum 8156 4C 105W 3.6GHz Processor Option Kit
7XG7A05569	No CTO*	ThinkSystem SR630 Intel Xeon Platinum 8158 12C 150W 3.0GHz Processor Option Kit
7XG7A05568	No CTO*	ThinkSystem SR630 Intel Xeon Platinum 8160 24C 150W 2.1GHz Processor Option Kit

Part number	Feature code	Description
7XG7A05566	AWEK	ThinkSystem SR630 Intel Xeon Platinum 8160T 24C 150W 2.1GHz Processor Option Kit
7XG7A05563	No CTO*	ThinkSystem SR630 Intel Xeon Platinum 8176 28C 165W 2.1GHz Processor Option Kit
4XG7A09411	No CTO*	ThinkSystem SR630 Intel Xeon Platinum 8180M 28C 205W 2.5GHz Processor Option Kit

* Only available as a field upgrade for existing customers. Not available in CTO (configure to order) configurations.

For specifications of these processors, see the Intel Xeon Scalable Processor Reference for Lenovo ThinkSystem Servers:

<https://lenovopress.com/lp1262-intel-xeon-sp-processor-reference#term=SKL>

Configuration note for 1st Gen processors: For Gold 6144, 6146, and 6154 processors and Platinum 8168, 8180, and 8180M processors, the following conditions must be met:

- No rear HDD kit installed
- No U.2 NVMe 10-bay backplane installed
- No PCIe flash adapters installed
- No GPUs installed
- A maximum of one supercap module installed
- ASHRAE A2 (35°C, 95 °F) only
- The server performance might be impacted in case of a fan failure
- For Gold 6154 processor only: No backplanes installed, or 2.5" 10-bay AnyBay backplane with up to 4 drives installed

Memory

The SR630 server supports up to 12 TruDDR4 memory when one processor is installed and up to 24 DIMMs when two processors are installed. Each processor has six memory channels (two integrated memory controllers with three memory channels per memory controller), and there are two DIMMs per channel.

With 2nd Gen Xeon SP processors, the server supports memory up to 2933 MHz. With 1st Gen Xeon SP processors, the server supports memory up to 2666 MHz.

Lenovo TruDDR4 memory uses the highest-quality components sourced from Tier 1 DRAM suppliers and only memory that meets strict requirements is selected. It is compatibility tested and tuned on every ThinkSystem server to maximize performance and reliability. TruDDR4 memory has a unique signature programmed into the DIMM, which enables Lenovo servers to verify whether the memory installed is qualified and supported. Lenovo qualified and supported TruDDR4 memory is covered by Lenovo warranty, and service and support provided worldwide.

The following maximum memory capacities are supported by the server with 2nd Gen Xeon SP processors (up to 2933 MHz):

- RDIMMs: 1.5 TB (768 GB per processor)
- 3DS RDIMMs: 3 TB (1.5 TB per processor)

The following maximum memory capacities supported by the server with 1st Gen Xeon SP processors (up to 2666 MHz):

- RDIMMs: 768 GB (384 GB per processor)
- LRDIMMs: 1.5 TB (768 GB per processor)
- 3DS RDIMMs: 3 TB (1.5 GB per processor)

The following memory protection technologies are supported by the processor's integrated memory controllers:

- ECC
- SDDC (for x4-based memory DIMMs)
- ADDDC (for x4-based memory DIMMs, Gold and Platinum processors only)
- Memory mirroring
- Memory rank sparing
- Patrol scrubbing
- Demand scrubbing

The following table lists memory options are supported by the server. The table also indicates which processor generation is supported for each memory option.

Table 16. Memory options

Part number	Feature code	Description	Maximum quantity*	Gen 1 CPU	Gen 2 CPU
RDIMMs - 2933 MHz Performance+					
4X77A12184	B5N6	ThinkSystem 16GB TruDDR4 Performance+ 2933MHz (2Rx8 1.2V) RDIMM	12 / 24	No	Yes
4X77A12185	B5N7	ThinkSystem 32GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	12 / 24	No	Yes
4X77A12186	B5N8	ThinkSystem 64GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	12 / 24	No	Yes
RDIMMs - 2933 MHz					
4ZC7A08706	B4H1	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM	12 / 24	No	Yes
4ZC7A08707	B4LY	ThinkSystem 16GB TruDDR4 2933MHz (1Rx4 1.2V) RDIMM	12 / 24	No	Yes
4ZC7A08708	B4H2	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM	12 / 24	No	Yes
4ZC7A08709	B4H3	ThinkSystem 32GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	12 / 24	No	Yes
4ZC7A08710	B4H4	ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	12 / 24	No	Yes
3DS RDIMMs - 2933 MHz Performance+					
4X77A12187	B5N9	ThinkSystem 128GB TruDDR4 Performance+ 2933MHz (4Rx4 1.2V) 3DS RDIMM	12 / 24	No	Yes
3DS RDIMMs - 2933 MHz					
4ZC7A15113	B587	ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM	12 / 24	No	Yes
RDIMMs - 2666 MHz					
7X77A01301	AUU1	ThinkSystem 8GB TruDDR4 2666 MHz (1Rx8 1.2V) RDIMM	12 / 24	Yes	No
7X77A01302	AUNB	ThinkSystem 16GB TruDDR4 2666 MHz (1Rx4 1.2V) RDIMM	12 / 24	Yes	Yes
7X77A01303	AUNC	ThinkSystem 16GB TruDDR4 2666 MHz (2Rx8 1.2V) RDIMM	12 / 24	Yes	Yes
7X77A01304	AUND	ThinkSystem 32GB TruDDR4 2666 MHz (2Rx4 1.2V) RDIMM	12 / 24	Yes	Yes
LRDIMMs - 2666 MHz					
7X77A01305	AUNE	ThinkSystem 64GB TruDDR4 2666 MHz (4Rx4 1.2V) LRDIMM	12 / 24	Yes	No
3DS RDIMMs - 2666 MHz					
4ZC7A08716	AUW5	ThinkSystem 64GB TruDDR4 2666MHz (4Rx4, 1.2V) 3DS RDIMM	12 / 24	No	Yes
7X77A01307	AUNF	ThinkSystem 128GB TruDDR4 2666 MHz (8Rx4 1.2V) 3DS RDIMM	12 / 24	Yes	No

* The maximum quantity shown is with one processor / two processors.

Configuration notes:

- All DIMMs in the server operate at the same speed, which is determined as the lowest value of:
 - DIMM rated speed (2666 MHz or 2933 MHz).
 - Memory speed supported by the specific processor (2133 MHz, 2400 MHz, 2666 MHz, or 2933 MHz).
 - Memory speed for the selected quantity of DIMMs per channel:
 - One DIMM per channel (1 DPC): 2933 MHz.
 - Two DIMMs per channel (2 DPC)
 - Performance+ DIMMs: 2933 MHz.
 - Other supported DIMMs: 2666 MHz.
- Note:** Maximum memory speed can be achieved when Max performance mode is enabled in UEFI.
- Mixing different types of memory (RDIMMs, LRDIMMs, 3DS RDIMMs) is not supported.
 - All Performance+ DIMMs in the server must be of the same type, rank, and capacity (the same part number or feature code) to operate at 2933 MHz in the configurations with two DIMMs per channel. Performance+ DIMMs cannot be mixed with other DIMMs.
 - Mixing RDIMMs of different ranks (single- or dual-rank), DRAM chip types (x4 or x8), speeds (2666 MHz or 2933 MHz), and capacities (8 GB, 16 GB, 32 GB, or 64 GB) is supported in the independent channel mode (the default operational mode) (excluding Performance+ RDIMMs).
 - Mixing 3DS RDIMMs of different speeds (2666 MHz or 2933 MHz) and capacities (64 GB or 128 GB) is supported in the independent channel mode (excluding Performance+ 3DS RDIMMs).
 - The 128 GB Performance+ 2933 MHz 3DS RDIMMs (feature code B5N9) running at 2933 MHz with two DIMMs per channel are supported at the ambient temperature of up to 30 °C (86 °F).
 - The maximum quantity of DIMMs supported is reduced by the quantity of DC Persistent Memory Modules used in the configuration.
 - Server configurations with more than 1 TB of memory capacity per socket (including DCPMMs and RDIMMs or 3DS RDIMMs) require processors that support up to 4.5 TB (L-suffix) per socket.
 - For server configurations with memory protection, the following rules apply:
 - Single Device Data Correction (SDDC) works only in the independent channel mode and supports only x4-based memory DIMMs.
 - Adaptive Double Device Data Correction (ADDDC) works with x4-based memory DIMMs and requires two DIMM ranks per channel, Intel Xeon Gold or Platinum processors, and the Closed Page memory access mode.
 - If memory mirroring is used, then DIMMs must be installed in quantities of 2, 4, or 8 per processor for mirroring across two memory channels, or in quantities of 3, 6, 9, or 12 per processor for mirroring across three memory channels. Mixing two- and three-channel mirroring in the server is allowed (one processor uses two-channel mirroring, and another processor uses three-channel mirroring). All DIMMs in the server must be identical in type and size.
 - If memory rank sparing is used, then a minimum of two ranks must be installed per populated channel (a least one dual-rank or quad-rank DIMM, or two single-rank DIMMs). In rank sparing mode, one rank in each populated channel is reserved as spare memory for other ranks on the same channel. All DIMMs in the server must be identical in type and size.
 - SDDC, memory mirroring, and memory rank sparing modes are mutually exclusive. Only one operational memory mode can be enabled on the server.
 - In the configurations with DCPMMs, memory mirroring is supported only in the App Direct mode (other DCPMM modes do not support memory mirroring) and applies only to the RDIMMs or 3DS RDIMMs (DCPMMs are not mirrored). Memory sparing is not supported in the configurations with DCPMMs.

Persistent memory

Intel Optane persistent memory is an innovative technology that delivers a unique combination of affordable large memory capacity and persistence (non-volatility). The persistent memory technology can help boost the performance of data-intensive applications, such as in-memory analytics, databases, content delivery networks, and high performance computing (HPC), as well as deliver consistent service levels at scale with higher virtual machine and container density.

2nd Gen processors only: Persistent Memory is only supported with 2nd Generation Intel Xeon SP processors. Not supported with 1st Generation processors.

The SR630 server supports up to six TruDDR4 DC Persistent Memory Modules (DCPMMs) when one processor is installed and up to 12 DCPMMs when two processors are installed (up to one DCPMM per processor's memory channel) for a total of up to 6 TB of persistent memory capacity. The DCPMMs are installed in the same memory DIMM slots on the system board that are used for installing RDIMMs or 3DS RDIMMs.

The DCPMMs support the following modes of operation:

- **Memory Mode**
Memory Mode seamlessly brings large memory capacity at affordable cost points to legacy applications. In this mode, DCPMMs provide volatile memory that behaves much like traditional RDIMMs or 3DS RDIMMs (the data will not be saved in case of a power loss) and is transparent to the operating system and applications. DCPMMs provide memory capacity and RDIMMs or 3DS RDIMMs provide cache memory that is managed by the processor's memory controller. The total memory capacity that is seen by the operating system is the capacity of the DCPMMs; the capacity of the RDIMMs or 3DS RDIMMs is hidden and does not appear as a memory resource in the operating system. This mode is considered particularly suited for virtualized database deployments and big-data analytics applications.
- **App Direct Mode**
App Direct Mode brings persistency to the data and structures (the data will be saved in case of a power loss). This mode requires operating system and application awareness of two types of system memory: Persistent (DCPMMs) and DRAM (RDIMMs or 3DS RDIMMs). The total memory capacity that is seen by the operating system includes the capacity of the DCPMMs and RDIMMs or 3DS RDIMMs. This mode is considered particularly suited for in-memory databases, in-memory analytics frameworks, and ultrafast storage applications.
- **Mixed Memory Mode**
Mixed Memory Mode is a combination of Memory Mode and App Direct Mode, where a portion of the capacity of the DCPMMs is used for the Memory Mode operations, and the remaining capacity of the DCPMMs is used for the App Direct Mode operations.

The following memory protection technologies are supported by the DCPMM's onboard memory controllers:

- ECC
- SDDC
- DDDC
- Patrol scrubbing
- Demand scrubbing

The following table lists DCPMM options available for the SR630 server.

Table 17. DCPMM options

Part number	Feature code	Description	Maximum quantity*
4ZC7A15110	B4LV	ThinkSystem 128GB TruDDR4 2666MHz (1.2V) Intel Optane DC Persistent Memory	6 / 12
4ZC7A15111	B4LW	ThinkSystem 256GB TruDDR4 2666MHz (1.2V) Intel Optane DC Persistent Memory	6 / 12
4ZC7A15112	B4LX	ThinkSystem 512GB TruDDR4 2666MHz (1.2V) Intel Optane DC Persistent Memory	6 / 12

* The maximum quantity shown is with one processor / two processors.

Configuration notes:

- All DCPMMs in the server must be of the same capacity (the same part number or feature code).
- The RDIMMs or 3DS RDIMMs are required in the configurations with DCPMMs, and all RDIMMs or 3DS RDIMMs must be of the same type, rank, and capacity (the same part number or feature code).
- The DCPMMs cannot be mixed with the 8GB TruDDR4 2933 MHz RDIMM (4ZC7A08706).
- For Mixed Memory Mode, the volatile (Memory) portion of the total capacity of DCPMMs is configured in increments of 32 GB multiplied by the number of DCPMMs in the server, and the remaining capacity is allocated to the persistent (App Direct) portion. The ratio of the total capacity of RDIMMs or 3DS RDIMMs to the total capacity of the volatile portion of DCPMMs should be between 1:2 and 1:16.
- Server configurations with more than 1 TB of memory capacity per socket (including DCPMMs and RDIMMs or 3DS RDIMMs) require processors that support up to 4.5 TB (L-suffix) per socket.
- The DCPMMs are *not* supported in the following configurations:
 - Processors of 200 W or 205 W TDP, or Gold 6240Y, 6244, 6246, or 6252N processors installed
 - GPU adapters installed
 - Mellanox InnoVA-2 adapters installed

For more information, including supported combinations of DIMMs and Persistent Memory, refer to the Intel Optane Persistent Memory 100 Series Product Guide:
<https://lenovopress.com/lp1066-intel-optane-persistent-memory-100-series>

Internal storage

The SR630 server supports the following internal drive bay configurations:

1. Up to 6 SAS/SATA hot-swap drive bays: 4x 3.5" (front) + 2x 2.5" (rear)
2. 4 LFF AnyBay hot-swap drive bays: 4x 3.5" (front)
3. Up to 10 SFF SAS/SATA hot-swap drive bays: 8x 2.5" (front) + 2x 2.5" (rear)
4. Up to 12 SFF hot-swap drive bays:
6x 2.5" SAS/SATA & 4x 2.5" AnyBay (front) + 2x 2.5" SAS/SATA (rear)
5. 10 SFF U.2 NVMe PCIe SSD hot-swap drive bays

In addition, the SR630 server models can be configured with one or two internal M.2 SATA SSDs. The server also supports configurations without drive bays.

The following figure shows the internal drive bay configurations.

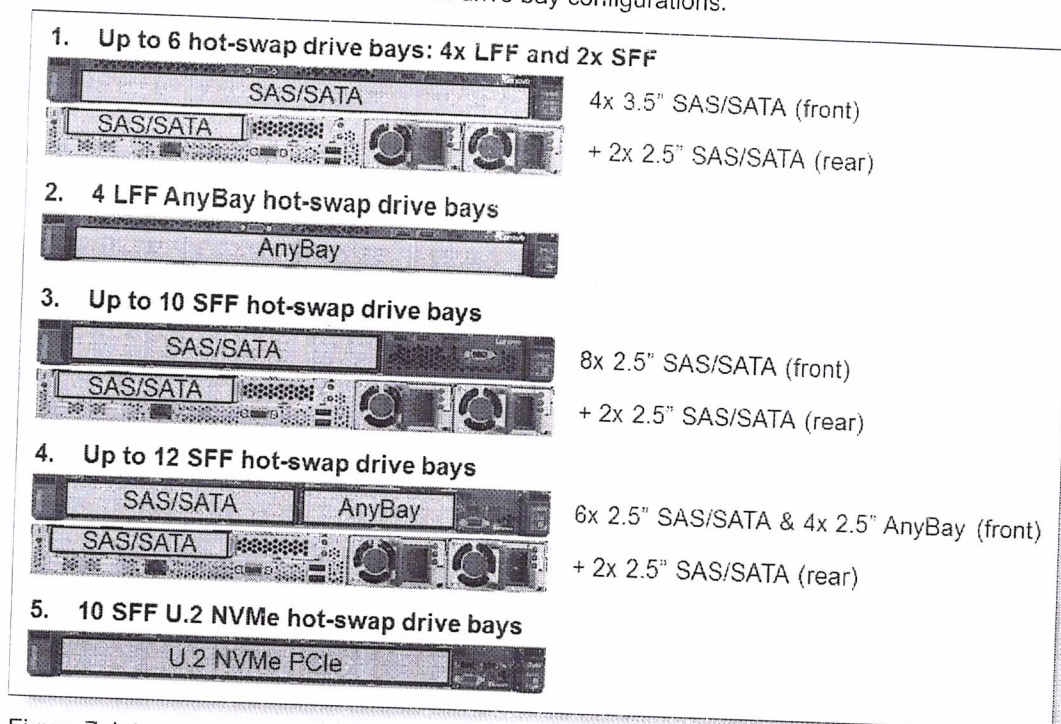


Figure 7. Internal drive bay configurations

In this section:

- Backplanes
- Supported drive bay combinations
- Field upgrades
- RAID flash power module (supercap) support
- M.2 drives
- SED encryption key management with ISKLM

Backplanes

The following table lists the internal storage options for the server.

Table 18. Internal storage options

Part number	Feature code	Description	Maximum quantity
Factory-installed backplane kits			
None*	AUW8	ThinkSystem 1U 3.5" SATA/SAS 4-Bay Backplane	1
None*	B0WJ	ThinkSystem SR630 3.5" AnyBay 4-Bay Backplane	1
None*	AUWB	ThinkSystem 1U 2.5" SATA/SAS 8-Bay Backplane	1
None*	AUW9	ThinkSystem 1U 2.5" AnyBay 10-Bay Backplane	1
None*	AVKF	ThinkSystem SR630 2.5" U.2 10-Bay Backplane Kit	1
4XH7A80454	BMXG	ThinkSystem SR630 Rear HDD/SSD Kit v2	1
7XH7A06252	AUWJ	ThinkSystem SR630 Rear HDD Kit	1

* For field upgrades, see the [Field upgrades](#) section

Configuration notes:

- Lenovo AnyBay allows a choice of drive interface types in the same drive bay: SAS drives, SATA drives, or U.2 NVMe PCIe drives.
- U.2 NVMe PCIe SSDs in the AnyBay drive bays require either the second processor (enables the onboard NVMe controller) or the 1610-4P NVMe Switch Adapter to be installed. The 1610-4P NVMe Switch Adapter connected to the AnyBay drive bays is supported only in the configurations with one processor.
- Models with 10x 2.5-inch drive bays (6x SAS/SATA + 4x AnyBay) and an 8-port SAS RAID controller or HBA support only NVMe drives in the AnyBay drive bays.

Supported drive bay combinations

The following tables list supported internal storage configurations with the SAS/SATA and AnyBay backplanes.

Table 19. Internal storage configurations: 3.5-inch front drive bays

Drive bay configuration	Backplane kit type and quantity			Storage controller type and quantity*
	4x 3.5" SATA/SAS	4x 3.5" AnyBay	2x 2.5" Rear HDD	
4x 3.5" chassis (Feature code AUW2)				
4x 3.5-in. SAS/SATA hot-swap (front)	1	0	0	1x RAID 8i or HBA 8i (4)
4x 3.5-in. SAS/SATA hot-swap (front) + 2x 2.5-in. SAS/SATA hot-swap (rear)	1	0	1	1x RAID 8i or HBA 8i (6)
4x 3.5-in. AnyBay hot-swap (front)	0	1	0	1x RAID 8i or HBA 8i (4) + NVMe (4)**

* The number in brackets (x) specifies the quantity of drive bays connected to each of the controllers.

** The 1610-4P NVMe Switch Adapter in the configurations with one processor, or the onboard NVMe controller in the configurations with two processors.

Table 20. Internal storage configurations: 2.5-inch front drive bays

Drive bay configuration	Backplane kit type and quantity				Storage controller type and quantity*
	8x 2.5" SATA/SAS	10x 2.5" AnyBay	10x U.2 NVMe	2x 2.5" Rear HDD	
8x 2.5" chassis (Feature code AUW0)					
8x 2.5-in. SAS/SATA hot-swap (front)	1	0	0	0	1x RAID 8i or HBA 8i (8)
					1x RAID 16i (8)
8x 2.5-in. SAS/SATA hot-swap (front) + 2x 2.5-in. SAS/SATA hot-swap (rear)	1	0	0	1	1x RAID 16i or HBA 16i (10)
10x 2.5" chassis (Feature code AUW1)					
4x 2.5-in. AnyBay (NVMe only) hot-swap (front)	0	1	0	0	Onboard NVMe (4)**
6x 2.5-in. SAS/SATA + 4x 2.5-in. AnyBay hot-swap (front)	0	1	0	0	1x RAID 16i or HBA 16i (10) + Onboard NVMe (4)**
6x 2.5-in. SAS/SATA + 4x 2.5-in. AnyBay (NVMe only) hot-swap (front)	0	1	0	0	1x RAID 8i or HBA 8i (6) + Onboard NVMe (4)**
					1x RAID 8i or HBA 8i (6) + 1x 1610-4P NVMe (4)^
					1x RAID 16i or HBA 16i (6) + 1x 1610-4P NVMe (4)^
6x 2.5-in. SAS/SATA + 4x 2.5-in. AnyBay hot-swap (front) + 2x 2.5-in. SAS/SATA hot-swap (rear)	0	1	0	1	1x RAID 16i or HBA 16i (12) + Onboard NVMe (4)**
10x 2.5-in. U.2 NVMe (8x NVMe drives only) hot-swap (front)	0	0	1	0	Onboard NVMe (4)** + 1x 1610-4P/810-4P (4)
					Onboard NVMe (4)** + 2x 810-4P (2+2)
10x 2.5-in. U.2 NVMe hot-swap (front)	0	0	1	0	Onboard NVMe (4)** + 1x 1610-4P (4) + 1x 810-4P (2)
					Onboard NVMe (4)** + 2x 1610-4P (4+2)

* The number in brackets (x) specifies the quantity of drive bays connected to each of the controllers.

** The onboard NVMe controller requires the second processors to be installed.

^ The 1610-4P NVMe Switch Adapter connected to the AnyBay drive bays is supported only in the configurations with one processor. CTO only, not available as a field upgrade.

Field upgrades

The following table lists the backplane options that can be installed as field upgrades.

Use with X40 adapters: These backplane kits in the table below include SAS/SATA cables for use with the onboard SATA controller or with RAID 930, 730, 530 adapters and 430 HBAs (collectively called X30 adapters). If you are adding or upgrading to RAID 940 adapters or 440 HBAs (collectively called X40 adapters), you will need to *also* order an X40 cable kit. See the *Cable kits for 440 HBAs and RAID 940 adapters* section for details.

Table 21. Field Upgrades

Part number	Description	Maximum quantity
Backplane kit field upgrade options		
4XH7A80455	ThinkSystem SR530/SR630 2.5" SATA/SAS 8-Bay Backplane Kit v2	1
7XH7A05896	ThinkSystem SR530/SR630 2.5" SATA/SAS 8-Bay Backplane Kit	1
4XH7A80452	ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay Backplane Upgrade Kit v2	1
4XH7A08768	ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay Backplane Upgrade Kit	1
4XH7A80451	ThinkSystem SR630 2.5" U.2 10-Bay Backplane Kit v2	1
4XH7A08766	ThinkSystem SR630 2.5" U.2 10-Bay Backplane Kit	1
4XH7A80454	ThinkSystem SR630 Rear HDD/SSD Kit v2	1
7XH7A06252	ThinkSystem SR630 Rear HDD/SSD Kit	1

Configuration notes:

- The backplane upgrade kits include drive backplanes and required signal cables, power cables, and drive bay fillers; storage controllers are not included.
- Models without any drive bays that are based on the 8x 2.5" chassis (feature code AUW0) support adding drive bays by using the 2.5" 8-drive backplane kit (7XH7A05896 or 4XH7A80455).
- Models without any drive bays that are based on the 10x 2.5" chassis (feature code AUW1) support adding drive bays by using the 2.5" 10-bay AnyBay backplane kit (4XH7A08768 or 4XH7A80452) or 2.5" U.2 10-bay backplane kit (4XH7A08766 or 4XH7A80451).
- Models with 10x 2.5-inch drive bays (6x SAS/SATA + 4x AnyBay) can be upgraded to all NVMe configuration by using the 2.5" U.2 10-Bay Backplane Kit (4XH7A08766 or 4XH7A80451). The kit includes a backplane, cables, and drive fillers. NVMe Switch Adapters are *not* included in the kit; two NVMe Switch Adapters are required for the 10x 2.5" U.2 NVMe configuration.
- The 2.5" Rear HDD Kit is installed in place of the PCIe Riser Card 1; PCIe slots 1 and 2 are not present.
- The 2.5" Rear HDD Kit is supported only with the processors of up to 125 W TDP.
- U.2 NVMe PCIe SSDs in the AnyBay drive bays require either the second processor (enables the onboard NVMe controller) or the 1610-4P NVMe Switch Adapter to be installed. The 1610-4P NVMe Switch Adapter connected to the AnyBay drive bays is supported only in the configurations with one processor.
- Models with 10x 2.5-inch drive bays (6x SAS/SATA + 4x AnyBay) and an 8-port SAS RAID controller or HBA support only NVMe drives in the AnyBay drive bays.

Cable kits for 440 HBAs and RAID 940 adapters

The backplane kits listed in the preceding table include cables for use with the onboard SATA controller or with RAID 930, 730, 530 adapters and 430 HBAs (collectively called X30 adapters). If you wish to use the backplane kits with RAID 940 adapters or 440 HBAs (collectively called X40 adapters), then you will also need to order an additional X40 cable kit to use instead of the cables in the backplane kit.

Tip: When adding an X40 adapter, you will order both the backplane kit and the relevant X40 cable kit, however the SAS/SATA data cable(s) in the backplane kit will not be used.

Table 22. Cable kits for 440 HBAs and RAID 940 adapters

Backplane kits with X30 cables		X40 cable kits also needed	
4XH7A80455	ThinkSystem SR530/SR630 2.5" SATA/SAS 8-Bay Backplane Kit v2	4XH7A61096	ThinkSystem SR530/SR570/SR630 2.5" SAS/SATA 8-Bay X40 RAID Cable Kit
7XH7A05896	ThinkSystem SR530/SR630 2.5" SATA/SAS 8-Bay Backplane Kit	4XH7A61096	ThinkSystem SR530/SR570/SR630 2.5" SAS/SATA 8-Bay X40 RAID Cable Kit
4XH7A80452	ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay Backplane Upgrade Kit v2	4XH7A61101	ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay X40 RAID Cable Kit
4XH7A08768	ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay Backplane Upgrade Kit	4XH7A61101	ThinkSystem SR570/SR630 2.5" AnyBay 10-Bay X40 RAID Cable Kit
4XH7A80451	ThinkSystem SR630 2.5" U.2 10-Bay Backplane Kit v2	None	Not needed - NVMe only
4XH7A08766	ThinkSystem SR630 2.5" U.2 10-Bay Backplane Kit	None	Not needed - NVMe only
4XH7A80454	ThinkSystem SR630 Rear HDD/SSD Kit v2	4XH7A61110	ThinkSystem SR590/SR630/SR650 SAS/SATA 2-Bay Rear BP X40 RAID Cable Kit
7XH7A06252	ThinkSystem SR630 Rear HDD/SSD Kit	4XH7A61110	ThinkSystem SR590/SR630/SR650 SAS/SATA 2-Bay Rear BP X40 RAID Cable Kit

RAID flash power module (supercap) support

ThinkSystem RAID 930, 940, 9350 and 730-8i 2GB adapters all include a RAID flash power module (supercap). If you plan to install one of these adapters as a field upgrade, then may also need to order a Supercap Holder kit or a replacement server air baffle to mount the power module. For CTO orders, the components in the installation kit are automatically derived when you select the RAID adapter.

The server supports one or two RAID adapters (internal or external) with supercaps, however there are three possible locations for the supercaps to be mounted. The locations of the supercaps depends on the front drive bays (2.5-inch or 3.5-inch) and the size of the processor heatsinks (which in turn determines if the air baffle is installed). Details are summarized in the following table. Location references are shown in the figure below.

Note: Some configurations do not support a supercap-attached RAID adapter as shown in the table.

Table 23. Supercap support

Front drive configuration	Processor heatsinks	Number of adapters & supercaps	Location of supercaps
2.5-inch	Standard	2	1. Front of server behind operator panel ⑤ (if present) 2. Mounted on air baffle ① 3. Mounted on air baffle ② (if no holder installed in ⑤)
	High Performance (no air baffle installed)	1	1. Front of server behind operator panel ⑤
3.5-inch	Standard	2	1. Mounted on air baffle ① 2. Mounted on air baffle ②
	High Performance (no air baffle installed)	0	Not supported

The locations where supercaps are installed is shown in the following figure.

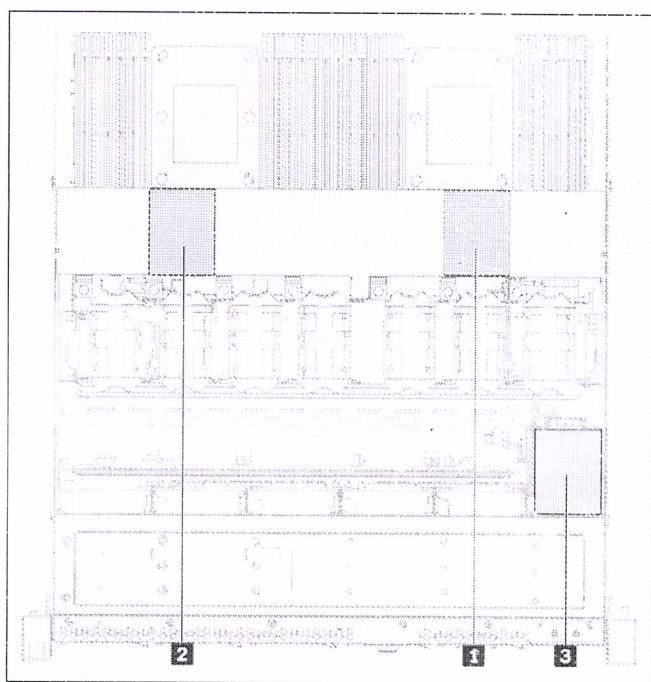


Figure 8. Location of the supercaps in the SR630

If the server does not include a supercap holder in position ③, order the holder using part number 4M17A61348.

If one of the following RAID adapters is purchased as a field upgrade, the system air duct (air baffle) will need to be replaced with a new one to accommodate the supercap that ships with the adapter. The original air duct won't physically accommodate the supercap of these adapters.

- ThinkSystem RAID 9350-8i 2GB Flash PCIe 12Gb Adapter, 4Y37A72483
- ThinkSystem RAID 9350-16i 4GB Flash PCIe 12Gb Adapter, 4Y37A72485

Tip: If your server was built before December 2021 or was configured with base feature codes AUW0, AUW1 or AUW2, then you have original air duct, part SM27A03474, and you will need to order a replacement air duct. If your server was configured with newer "v2" base feature codes BNPN, BNPQ or BNPP, then you have the newer air duct, part SM27A99423 and no air duct replacement is necessary.

Ordering information for the Supercap Holder Kit and the replacement air duct are listed in the following table.

Table 24. Supercap installation field upgrades

Part number	Feature code	Description	Maximum supported
4M17A61304	AURN	ThinkSystem SR630/SR630 V2 Supercap Holder Kit (For use in position ③ at the front of the server)	1
4M17A61348	BNZ0	ThinkSystem SR630 Air Duct Kit v2 (Enables ① and ② for use with the 9350-8i or 9350-16i adapters)	1