

Intel® Server Board S5520UR

Intel® Server System SR1600

Intel® Server System SR1625

Intel® Server System SR2600

Intel® Server System SR2625

Calculated MTBF Estimates



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Enterprise Platforms and Services Marketing

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MTBF Estimates for Intel® Server Board S5520UR

MTBF (hours)	Ambient Air Temperature (°C)
641,160	25C
385,776	35C
238,882	45C
189,917	50C
151,898	55C

MTBF Estimates for Intel® Server System SR2600 and SR2625

Subassembly	Server Model	
	SR2600 and SR2625	
	MTBF (hours)	FIT (flrs/10 ⁹ hrs)
S5520UR Baseboard	238,000	4,202
Power Supply (1 supply +dist.moudule)	208,000	4,808
Cooling fans (no redundancy) - 8 cm	349,000	2,865
Cooling fans (no redundancy) - 6 cm	118,000	8,475
Active Midplane	308,000	3,247
Backplane	807,000	1,239
PCI-E riser card	21,237,000	47
Front Panel board	2,451,000	408
Bridge Board	63,454,000	16
Totals without motherboard =	47300	21,104
Totals with motherboard =	39500	25,306

MTBF Estimates for Intel® Server System SR1600

Subassembly	Server Model	
	SR1600	
	MTBF (hours)	FIT (firs/10 ⁹ hrs)
Urbanna Baseboard	238,000	4,202
Power Supply (Non-Redundant)	250,000	4,000
Cooling fans (no redundancy)	100,000	10,000
Active Back Plane	400,000	2,500
PCI-E riser card	30,981,000	32
Front Panel board	2,700,000	370
Bridge Board	63,400,000	16
Totals without motherboard =	59200	16,918
Totals with motherboard =	47400	21,120

MTBF Estimates for Intel® Server System SR1625

Subassembly	Server Model	
	SR1600	
	MTBF (hours)	FIT (flrs/10 ⁹ hrs)
S5520UR Baseboard	238,000	4,202
Power Supply (1 supply + dist.module)	256,000	3,906
Cooling fans (no redundancy)	100,000	10,000
Active Mid Plane	308,000	3,247
Back Plane	785,000	1,274
PCI-E riser card (1U)	30,981,000	32
Front Panel board	2,701,000	370
Bridge Board (Fab1)	63,454,000	16
Totals without motherboard =	53000	18,845
Totals with motherboard =	43300	23,047