



Intel® Server Board S1200BTL
Intel® Server System P4304BTL SFCN
Intel® Server System P4304BTL SHCN
Intel® Server System R1304BTL SFAN
Intel® Server System R1304BTL SHBN

Calculated MTBF Estimates

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Enterprise Platform & Services Division

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The Intel® Server Board S1200BTL Intel® Server Chassis P4304XXSFCN, P4304XXSHCN and Intel® Server System P4304BTL SFCN, P4304BTL SHCN, R1304BTL SFAN, R1304BTL SHBN may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available

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MTBF Estimates for Intel® Server Board S1200BTL

| MTBF (hours) | Ambient Air Temperature (oC) |
|------------------------|--|
| 172,199 | 40 |

MTBF Estimates for P4304XXSFCN+ S1200BTL

| Subassembly (Server in 40C ambient air) | Server Model | |
|---|---------------------------|----------------------------|
| | Union Peak S-Fixed | |
| | MTBF | FIT |
| | (hours) | (flrs/10 ⁹ hrs) |
| BTP LC board (S1200BTL) | 172,199 | 5,807 |
| Power Supply - 365W NR | 619,607 | 1,614 |
| Cooling Fan | 206,885 | 4,834 |
| Front Panel board | 8,272,282 | 121 |
| | | |
| Totals without motherboard = | 152,200 | 6,568 |
| Totals with motherboard = | 80,800 | 12,376 |

MTBF Estimates for P4304XXSHCN+ S1200BTL

| Subassembly (Server in 40C ambient air) | Server Model | |
|---|------------------------|----------------------------|
| | Union Peak S-HS | |
| | MTBF | FIT |
| | (hours) | (flrs/10 ⁹ hrs) |
| BTP LC board (S1200BTL) | 172,199 | 5,807 |
| Power Supply - 365W NR | 619,607 | 1,614 |
| Cooling Fan | 206,885 | 4,834 |
| Backplane board | 935,180 | 1,069 |
| Front Panel board | 8,272,282 | 121 |
| | | |
| Totals without motherboard = | 130,900 | 7,638 |
| Totals with motherboard = | 74,300 | 13,445 |

MTBF Estimates for R1304BTLSFAN

| Subassembly (Server in 40C ambient air) | Server Model | |
|---|-----------------------------|----------------------------|
| | Buffalo Peak S-Fixed | |
| | MTBF | FIT |
| | (hours) | (flrs/10 ⁹ hrs) |
| BTP LC board (S1200BTL) | 172,199 | 5,807 |
| Power Supply - 250W NR | 1,027,370 | 973 |
| Cooling Fan (3) | 163,333 | 6,122 |
| Front Panel board | 8,272,282 | 121 |
| | | |
| Totals without motherboard = | 138,500 | 7,217 |
| Totals with motherboard = | 76,700 | 13,024 |

MTBF Estimates for R1304BTLSHBN

| Subassembly (Server in 40C ambient air) | Server Model | |
|---|--------------------------|----------------------------|
| | Buffalo Peak S-HS | |
| | MTBF | FIT |
| | (hours) | (flrs/10 ⁹ hrs) |
| BTP LC board (S1200BTL) | 172,199 | 5,807 |
| Power Supply - 350W NR | 582,873 | 1,716 |
| Cooling Fan (3) | 163,333 | 6,122 |
| HS Backplane board | 935,180 | 1,069 |
| Front Panel board | 8,272,282 | 121 |
| | | |
| Totals without motherboard = | 110,700 | 9,028 |
| Totals with motherboard = | 67,400 | 14,836 |