# Test Descriptions

All tests were timed using the MPERF (MSR E7H) register. For each test, the value of MPERF was captured, the test was then run 10,000 times, another MPERF value was captured and the difference between it and the first MPERF value was divided by 10,000 to establish an average.

For the specific test involving iterations of successive reads of the MPERF register, the highest and lowest individual tick count was also recorded. For other MSR tests, only the average time was captured (avoiding performing two MSR operations per loop iteration).

# Data

## Test Output

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| MPERF E7H – RDMSR Test  SCOPE: Thread  Ivy Bridge – 06\_3E | Average Ticks per iteration | Highest  (Iteration) | Lowest  (Iteration) |
| Batch | 248 | 380 (2) | 240 (20) |
| Serial – Same Thread | 419 | 2178 (153) | 372 (41) |
| Serial – Same Core, Different Thread | 11062 | 21591 (5) | 4623 (9212) |
| Serial – Same Socket, Different Core | 11137 | 21672 (5) | 4613 (9930) |
| Serial – Different Socket | 5206 | 25371 (3493) | 4376 (4) |

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| PERF\_STATUS 198H – RDMSR Test  SCOPE: Package  Ivy Bridge – 06\_3E | Average Ticks per iteration |
| Batch | 1054 |
| Serial – Same Thread | 1849 |
| Serial – Same Core, Different Thread | 7232 |
| Serial – Same Socket, Different Core | 6992 |
| Serial – Different Socket | 3154 |

|  |  |
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| PKG\_CST\_CONFIG E2H – RDMSR  SCOPE: Core  Ivy Bridge – 06\_3E | Average Ticks per iteration |
| Batch | 252 |
| Serial – Same Thread | 416 |
| Serial – Same Core, Different Thread | 9730 |
| Serial – Same Socket, Different Core | 6445 |
| Serial – Different Socket | 2995 |