
CONCLUSION

Your system appears to be suitable for handling real-time audio and other tasks without dropouts.

LatencyMon has been analyzing your system for 0:11:23 (h:mm:ss) on all processors.

SYSTEM INFORMATION

Computer name:	JPLAYENT
OS version:	Windows 8 , 6.2, build: 9200 (x64)
Hardware:	H67N-USB3-B3, Gigabyte Technology Co., Ltd.
CPU:	GenuineIntel Intel(R) Core(TM) i3-2105 CPU @ 3.10GHz
Logical processors:	4
Processor groups:	1
RAM:	6061 MB total

CPU SPEED

Reported CPU speed:	3093.0 MHz
Measured CPU speed:	2029.0 MHz (approx.)

Note: reported execution times may be calculated based on a fixed reported CPU speed. Disable variable speed settings like Intel Speed Step and AMD Cool N Quiet in the BIOS setup for more accurate results.

MEASURED INTERRUPT TO USER PROCESS LATENCIES

The interrupt to process latency reflects the measured interval that a usermode process needed

to respond to a hardware request from the moment the interrupt service routine started execution. This includes the scheduling and execution of a DPC routine, the signaling of an event and the waking up of a usermode thread from an idle wait state in response to that event.

Highest measured interrupt to process latency (μs): 996.198290

Average measured interrupt to process latency (μs): 3.741994

Highest measured interrupt to DPC latency (μs): 856.816608

Average measured interrupt to DPC latency (μs): 0.777678

MEASURED SMI, IPI AND CPU STALLS

The SMI, IPI and CPU stalls value represents the highest measured interval that a CPU did not respond while having its maskable interrupts disabled.

Highest measured SMI or CPU stall (μs) 12.911842

REPORTED ISRs

Interrupt service routines are routines installed by the OS and device drivers that execute in response to a hardware interrupt signal.

Highest ISR routine execution time (μs): 60.881992

Driver with highest ISR routine execution time: USBPORT.SYS - USB 1.1 & 2.0 Port Driver, Microsoft Corporation

Highest reported total ISR routine time (%): 0.024903

Driver with highest ISR total time: USBPORT.SYS - USB 1.1 & 2.0 Port Driver, Microsoft Corporation

Total time spent in ISRs (%) 0.027572

ISR count (execution time <250 μs): 167947

ISR count (execution time 250-500 μs): 0

ISR count (execution time 500-999 μs): 0

ISR count (execution time 1000-1999 µs): 0
ISR count (execution time 2000-3999 µs): 0
ISR count (execution time >=4000 µs): 0

REPORTED DPCs

DPC routines are part of the interrupt servicing dispatch mechanism and disable the possibility for a process to utilize the CPU while it is interrupted until the DPC has finished execution.

Highest DPC routine execution time (µs): 585.744585
Driver with highest DPC routine execution time: ndis.sys - NDIS 6.30 driver, Microsoft Corporation

Highest reported total DPC routine time (%): 0.082941
Driver with highest DPC total execution time: USBPORT.SYS - USB 1.1 & 2.0 Port Driver, Microsoft Corporation

Total time spent in DPCs (%) 0.340064

DPC count (execution time <250 µs): 2659174
DPC count (execution time 250-500 µs): 0
DPC count (execution time 500-999 µs): 41
DPC count (execution time 1000-1999 µs): 0
DPC count (execution time 2000-3999 µs): 0
DPC count (execution time >=4000 µs): 0

REPORTED HARD PAGEFAULTS

Hard pagefaults are events that get triggered by making use of virtual memory that is not resident in RAM but backed by a memory mapped file on disk. The process of resolving the hard pagefault requires reading in the memory from disk while the process is interrupted and blocked from execution.

NOTE: some processes were hit by hard pagefaults. If these were programs producing audio, they are likely to interrupt the audio stream resulting in dropouts, clicks and pops. Check the

Processes tab to see which programs were hit.

Process with highest pagefault count: svchost.exe

Total number of hard pagefaults 7770
Hard pagefault count of hardest hit process: 2684
Highest hard pagefault resolution time (µs): 143520.156482
Total time spent in hard pagefaults (%): 3.526241
Number of processes hit: 43

PER CPU DATA

CPU 0 Interrupt cycle time (s): 12.809134
CPU 0 ISR highest execution time (µs): 60.881992
CPU 0 ISR total execution time (s): 0.753340
CPU 0 ISR count: 167947
CPU 0 DPC highest execution time (µs): 585.744585
CPU 0 DPC total execution time (s): 8.407376
CPU 0 DPC count: 2532538

CPU 1 Interrupt cycle time (s): 17.123068
CPU 1 ISR highest execution time (µs): 0.0
CPU 1 ISR total execution time (s): 0.0
CPU 1 ISR count: 0
CPU 1 DPC highest execution time (µs): 370.505011
CPU 1 DPC total execution time (s): 0.089177
CPU 1 DPC count: 6125

CPU 2 Interrupt cycle time (s): 4.040248
CPU 2 ISR highest execution time (µs): 0.0
CPU 2 ISR total execution time (s): 0.0
CPU 2 ISR count: 0
CPU 2 DPC highest execution time (µs): 177.770449
CPU 2 DPC total execution time (s): 0.662461
CPU 2 DPC count: 108271

CPU 3 Interrupt cycle time (s):	17.341095
CPU 3 ISR highest execution time (µs):	0.0
CPU 3 ISR total execution time (s):	0.0
CPU 3 ISR count:	0
CPU 3 DPC highest execution time (µs):	369.465244
CPU 3 DPC total execution time (s):	0.132365
CPU 3 DPC count:	12281
