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# MassCore

## DSP

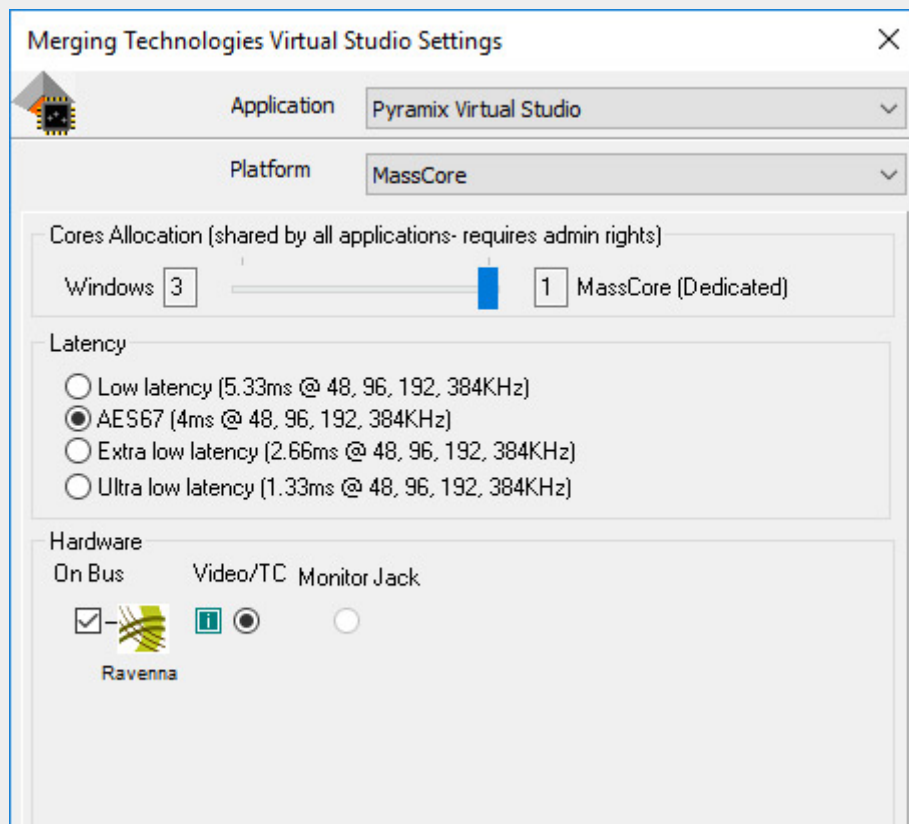
Merging MassCore  
MassCore  
, MassCore

가 , CPU

. Windows  
CPU  
CPU

Merging

DSP  
Pyramix DSP



CPU

DSP

5.33ms ASIO Native , AES67 , RAVENNA  
, extra low Ultra low latency Masscore CPU DSP

**Task Manager**  
File Options View

Processes Performance App history Startup Users Details Services

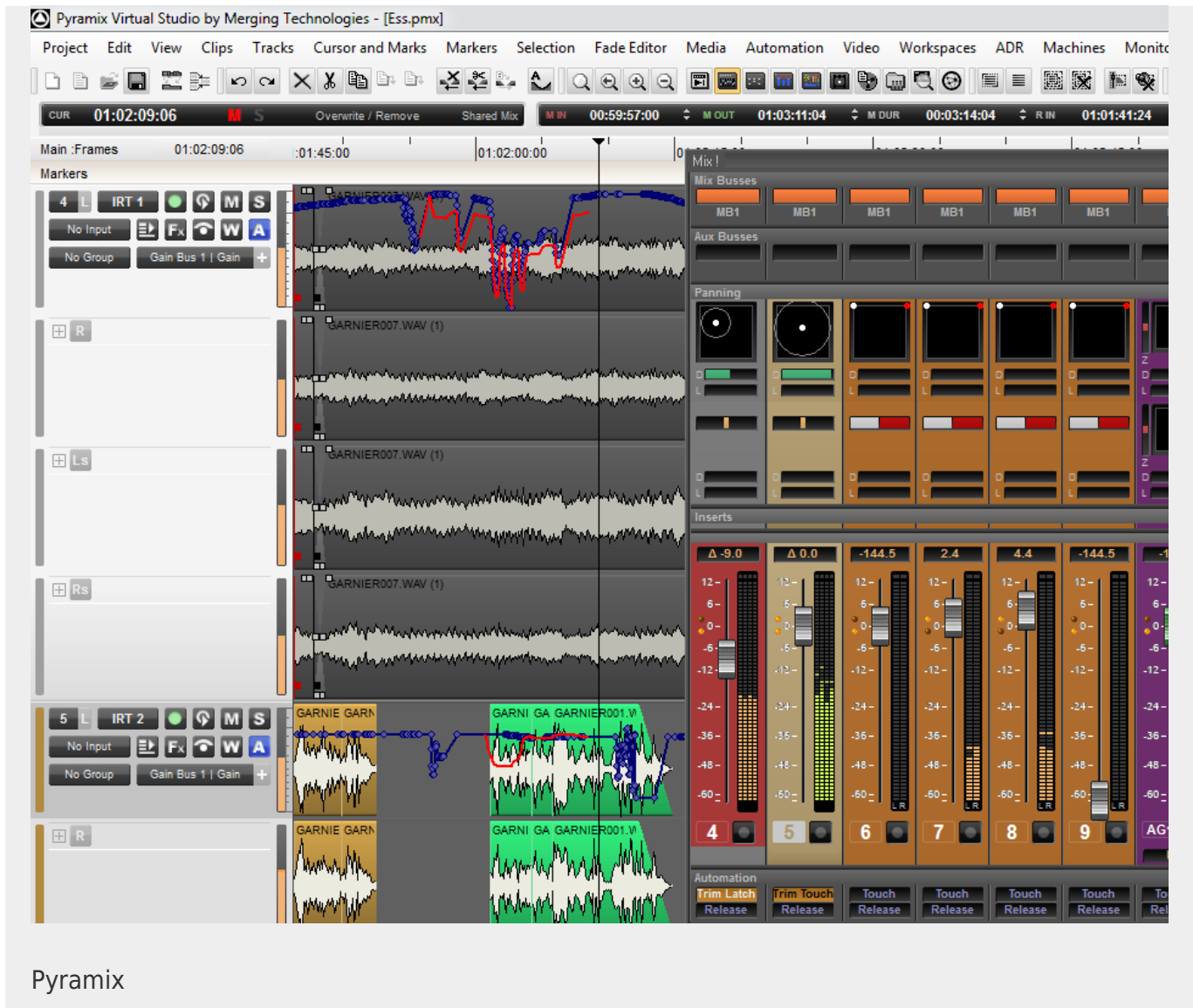
**CPU**  
16% 3.19 GHz  
Intel(R) Core(TM) i5-4570 CPU @ 3.20GHz

% Utilization over 60 seconds

Utilization	Speed	Maximum speed:	3.19 GHz	
16%	3.19 GHz	Sockets:	1	
Processes	Threads	Handles	Cores:	3
158	1852	61973	Logical processors:	3
Up time			Virtualization:	Enabled
1:03:15:39			L1 cache:	192 KB
			L2 cache:	768 KB
			L3 cache:	6.0 MB

Windows Task Manager with one core 'hidden' and available for the underlying realtime OS powering MassCore

Pyramix      1      CPU      4      가      Masscore      1  
Audio DSP



Pyramix

MassCore Technology MassCore technology “hides” one or more cores in a multiple CPU computer and then creates a “pipe” directly between the software and those hidden cores to essentially create an Intel-powered DSP based system. By doing this, the user can enjoy all the power that an Intel CPU core(s) holds (which is a HUGE amount) and does not add any additional latencies as it effectively removes the need for any requests to be made of the operating system with regards to real-time calculations.

In brief, MassCore is capable of the following in a single QuadCore system with no additional hardware required.

384 Inputs and 384 Outputs @1FS (44.1/48 kHz) 96 @ 4FS (176.4/192 kHz) 48 @ 8FS DXD (352.8/384 kHz) 48 @DSD256 (11.2MHz 1bit) Low Latency from Live in to Live out

<https://www.merging.com/highlights/power-and-stability#mass-core-power-overview>



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: (admin@homerecz.com)