Legacy PC System Configurations Info.

	Pyramix				Ovation				VCube	
	RAVENNA MassCore	**Myk MassCore****	**Myk only**	**Native**	**RAVENNA MassCore**	**Myk MassCore****	**Myk Only**	**Native**	**Myk**	**Native**
Win 7 SP1 (64 bit)	Yes	No	No	7.1 and above	Yes	No	No	3.0 and above	No	Yes
Win 7 SP1 (32 bit)	8.0	7.0 and above	7.1 and below	Yes	4.0	2.0 and above	Yes	Yes	Yes	Yes
Win 7 (64 bit)	No	No	No	7.1 and above	No	No	No	3.0 and above	No	Yes
Win 7 (32 bit)	8.0	7.0 and above	7.1 and below	Yes	4.0	2.0 and above	Yes	Yes	Yes	Yes
Win Vista SP2	No	6.1 up to 8.1	6.0 up to 8.1	6.0 up to 8.1	No	1.1 up to 4.1	1.0 up to 4.1	1.0 up to 4.1	2.0 up to 4.1	2.0 up to 4.1
Win Vista SP1	No	6.1 up to 8.1	6.0 up to 8.1	6.0 up to 8.1	No	1.1 up to 4.1	1.0 up to 4.1	1.0 up to 4.1	2.0 up to 4.1	2.0 up to 4.1
Win Vista	No	6.0 up to 8.1	6.0 up to 8.1	6.0 up to 8.1	No	Yes	Yes	Yes	Yes	Yes
Win XP SP3	No	6.0 up to 8.1	6.0 up to 8.1	6.0 up to 8.1	No	2.0 up to 4.1	2.0 up to 4.1	2.0 up to 4.1	Yes	Yes
Win XP SP2	No	6.0 up to 8.1	6.0 up to 8.1	6.0 up to 8.1	No	Yes	Yes	Yes	Yes	Yes
Win XP SP1	No	No	5.1, 5.0, 4.3	5.1, 5.0, 4.3	No	No	No	No	No	No
Win XP	No	No	4.3	4.3	No	No	No	No	No	No
Win 2000	No	No	4.3	4.3	No	No	No	No	No	No

**MassCore is a paid software option (included in Merging's current MassCore software packs) that is compatible only with versions 6.0 and higher of Pyramix/Ovation.

Notes:

- If you are currently running version 5.1 or earlier of Pyramix and you wish to use MassCore you must first upgrade Pyramix to version 6.0.
- Please also note the "Minimum System Requirements" section below detailing the IT hardware necessary to run MassCore especially noting the use of an Intel Core2 Quad processor as the heart of the system.

Merging Turnkey Components

Important Note regarding some 'Sandy Bridge' and 'Ivy Bridge' Intel chipset-based motherboards (specifically P67, H67 and Z77)

Merging does not recommend any of its Pyramix and/or Ovation users to upgrade their Mykerinos based systems to the Intel P67, H67 and Z77 chipset based platform. The main reason for that is that the PCI-e to PCI bridge controllers, as implemented on the P67, H67 and Z77 based motherboards deliver less than half the throughput of native PCI-Legacy-supporting chipsets. Our internal tests conducted on such platforms indicate that the PCI performance on these motherboards is actually so poor that a single PCI card (such as the MYK-MB5) with an AES I/O daughter card will already use most of the available PCI bandwidth when running at 48 kHz sampling rate under MassCore. You may just forget using a MADI daughter card or any higher sampling rate above 48 kHz with such motherboards, despite the Mykerinos' highly efficient PCI DMA (Direct Memory Access) engine.

The above limitation doesn't affect as much VCube users (or Pyramix/Ovation users with very basic I/O requirements), whose audio needs are usually limited to not more than 24 AES I/O channels at a maximum of 48 kHz which is just OK with P67, H67 and Z77 chipset-based PCI as long as no other devices that would share the PCI bandwidth (such as typically Firewire) are being used simultaneously.

- For those interested in upgrading to a 'Sandy Bridge' or 'Ivy Bridge' generation motherboards, our current advice is to opt for one of the Q67 or Q77 chipset based solutions, such as the DQ77MK or DQ67SW mentioned below.
- Merging is committed to further review all new Intel chipset iterations and variants, as they are rolled out by various motherboard manufacturers.
- Here is a list of current components integrated in Merging's turnkey systems. This list will regularly be updated with newer, commercially available motherboards.

Pyramix 8.x - 9.x / Ovation 4.x - 5.x / VCube 4.x - 5.x

Model	Proc.	Chipset	BIOS	OS	Ravenna/ MassCore	Myk/MassCore	Graphics	Built
GigaByte Z97X-UD3H	i5 4590	Z97	F7	Win7 / Win7SP1	Yes *	Not recommended	Intel® HD Graphics 4600	Oct-14
GigaByte Z97M-DS3H	i5 4590	Z97	F5	Win7 / Win7SP1	Yes *	Not recommended	Intel® HD Graphics 4600	Oct-14
GigaByte Z87X-D3H	i5 4570	Z87	F7	Win7 / Win7SP1	Yes *	Yes	Intel® HD Graphics 4600	Nov-13
Intel DQ87PG	i5 4570	Q87	35	Win7 / Win7SP1	Yes *	Yes	Intel® HD Graphics 4600	Aug-13
Asus P8Z77-M PRO	i5 3450	Z77	1708	Win7 / Win7SP1	Yes *	Not recommended	Intel® HD Graphics 2500	Sep-12
Asus P8Z77-V	i5 3450	Z77	1708	Win7 / Win7SP1	Yes *	Not recommended	Intel® HD Graphics 2500	Aug-12
Intel DQ77MK	i5 3450	Q77	0054 **	Win7 / Win7SP1	Yes *	Yes**	Intel® HD Graphics 2500	Jul-12
Intel DX79 SI	i7 3820 / i7 3930k	X79	559	Win7 / Win7SP1	Yes *	Yes**	ATI FirePro V3700	Jun-12

* Tested with NET-MSC-GBEX1 Ravenna/MassCore GbE Network Accelerator card

** Ravenna MassCore only reliable with this BIOS version and above

Pyramix 7.x / Ovation 3.x / VCube 3.x

Model	Proc.	Chipset	BIOS	OS	Myk-X capable	Myk/MassCore	Graphics	Built
Intel DQ67SW	i5 2400	Q67	52	Win7 / Win7SP1	Yes ***	Yes	Intel® HD Graphics 2000	May-11
Asus P7H57D-V EVO	i7860	H57	1606	Vista SP2	Yes ***	Yes	Saphire HD4350	Jul-10
				Win7				Jul-10
Intel DP55KG/WG	i7860 / i5750	P55	5926	XP SP2	Yes ***	Yes	Saphire HD4350	Nov-09
				Vista SP2				Nov-09
				Win7				Feb-10

*** Due to an incompatibility between the Intel i5/i7 chipsets and the PCIe bridge of the MYK-X30 card, Merging does not recommend using MYK-X30 alone in any such motherboard. However as long as the Mykerinos X30 is NOT the master TC card in a multi-card system, a multi-board system is not affected by this incompatibility.

- This means that if you place a PCI Mykerinos MB card as the master, then the slave cards can all be Mykerinos X30. In large multi-board systems it is therefore possible to run MassCore without any stability issues due to conflicts with the PCIe busses of i5/i7 motherboards.
- Users with Mykerinos MYK-X50 are advised to stay off upgrading their existing system to any i5/i7 platform. More info about hardware (in)compatibility can be found in the Forum, Support section
- Other motherboards and components can be used for Merging products, but have not been tested by us. If you want to discuss these components or available alternatives see the Merging Hardware discussion forum here.