

April 2019

## Recommended Computer Requirements

Most Sarine products can be connected to standard computers satisfying the following technical requirements.

Please consult your local Sarine representative before purchasing a computer for your Sarine machine to make sure it fulfills all necessary requirements.

Below are the recommended requirements for Sarine products.

Please take special note to listed hardware requirements relevant for the specific machine.

### Recommended PC requirements for Sarine Applications:

#### Lenovo Thinkstation P330 Mini Tower Workstation



	<b>Advisor</b>	<b>Instructor /DiaVision</b>
<b>Recommended PC</b>	<b>Thinkstation P330</b>	<b>Thinkstation P330</b>
<b>Processor</b>	Intel <b>6-Core 8<sup>th</sup> Generation 6-Core i7 8700 3.2GHz up to 4.6 GHz 12MB</b> Cache Processor	Intel <b>6-Core 8<sup>th</sup> Generation 6-Core i7 8700 3.2GHz up to 4.6 GHz 12MB</b> Cache Processor
<b>Hard Disk</b>	1TB 7200RPM SATA HDD	1TB 7200RPM SATA HDD
<b>Memory</b>	16GB	16GB
<b>USB ports</b>	4 available USB 3.0 Ports	4 available USB 3.0 Ports
<b>Graphic card</b>	On Board Intel HD <u>Recommended:</u> <u>Advisor 7.6:</u> NVIDIA GTX 1050Ti (CUDA enabled)	On Board Intel HD <u>Recommended:</u> <u>Instructor 3.8:</u> NVIDIA GTX 980 (CUDA enabled) or below
<b>PCI slots</b>	Please refer to the 'H/W related requirements' section below	Please refer to the 'H/W related requirements' section below
<b>DVD-ROM drive</b>	Not mandatory	Not mandatory
<b>Display adaptor resolution</b>	1280x1024	1280x1024
<b>Operating System</b>	Microsoft Windows® 10 64 bit	Microsoft Windows® 10 64 bit

Lenovo M920 Workstation



	Advisor	Instructor /DiaVision
<b>Recommended PC</b>	<b>Lenovo M920 Workstation</b>	<b>Lenovo M920 Workstation</b>
<b>Processor</b>	Intel Core I7 8700 3.2 GHz (coffee Lake)	Intel Core I7 8700 3.2 GHz (coffee Lake)
<b>Hard Disk</b>	1TB 7200RPM SATA HDD	1TB 7200RPM SATA HDD
<b>Memory</b>	16GB DDR4	16GB DDR4
<b>USB ports</b>	4 available USB 3.1 Ports USB3 Type C	4 available USB 3.1 Ports USB3 Type C
<b>Graphic card</b>	On Board Intel HD <u>Recommended:</u> <u>Advisor 7.6:</u> NVIDIA GTX 1050Ti (CUDA enabled)	On Board Intel HD <u>Recommended:</u> <u>Instructor 3.8</u> NVIDIA GTX 980 (CUDA enabled) or below
<b>PCI slots</b>	Please refer to the 'H/W related requirements' section below	Please refer to the 'H/W related requirements' section below
<b>DVD-ROM drive</b>	Not mandatory	Not mandatory
<b>Display adaptor resolution</b>	1280x1024	1280x1024
<b>Operating System</b>	Microsoft Windows® 10 64 bit	Microsoft Windows® 10 64 bit
<b>Remarks</b>	Picolo PCIe - Upgrade of BIOS Card is needed!!	Picolo PCIe - Upgrade of BIOS Card is needed!!



Hp ProDesk 600

	Advisor	Instructor /DiaVision
<b>Recommended PC</b>	Hp ProDesk 600	Hp ProDesk 600
<b>Processor</b>	Intel Core I7 8700 3.2 GHz	Intel Core I7 8700 3.2 GHz
<b>Hard Disk</b>	1TB 7200RPM SATA HDD	1TB 7200RPM SATA HDD
<b>Memory</b>	16GB DDR4	16GB DDR4
<b>USB ports</b>	4 available USB 3.1 Ports USB3 Type C	4 available USB 3.1 Ports USB3 Type C
<b>Graphic card</b>	On Board Intel UHD Grphics630 <u>Recommended:</u> <u>Advisor 7.6:</u> NVIDIA GTX 1050Ti (CUDA enabled)	On Board Intel UHD Grphics630 <u>Recommended:</u> <u>Instructor 3.8:</u> NVIDIA GTX 980 (CUDA enabled) or below
<b>PCI slots</b>	Please refer to the 'H/W related requirements' section below	Please refer to the 'H/W related requirements' section below
<b>DVD-ROM drive</b>	Not mandatory	Not mandatory
<b>Display adaptor resolution</b>	1280x1024	1280x1024
<b>Operating System</b>	Microsoft Windows® 10 64 bit	Microsoft Windows® 10 64 bit
<b>Remarks</b>		

Notes:

1. If both Advisor and Instructor should be installed on the same computer – Please refer to Sarine Support for further suggestions and best solution.
2. Diavision – Not supported with any of the mentioned computers.

## DiaExpert Edge - Recommended Computer Requirements

### Minimum PC Specifications:

- Processor: Intel® Core™ i7
- Chipsets: Intel® 4<sup>th</sup> generation
- Operating System: Win7 pro 64bit \ Win10 pro 64bit
- Memory: 8GB DDR-4
- Graphic card- NVIDIA GT 740
- USB ports- At least 1 available USB3 port\*
- Operating Systems:
  - i. Advisor: Win7 pro 64bit \ Win10 pro 64bit
  - ii. Gal Setup: Win7 pro 64bit. (Win10 is not supported)



### Recommended PC Specifications:

- Processor: Intel® Core™ i7
- Chipsets: Intel® 7<sup>th</sup> generation
- Operating System: Win7 pro 64bit \ Win10 pro 64bit
- Memory: 16GB DDR-4
- Graphic card- NVIDIA GTX 1080
- USB ports- At least 1 available USB3 port\*
- Operating Systems:
  - i. Advisor: Win7 pro 64bit \ Win10 pro 64bit
  - ii. Gal Setup: Win7 pro 64bit. (Win10 is not supported)

\*in case of any technical problems with the USB3 port with one of the above configurations there is also an option to connect USB3.0 PCI- Express card as an alternative solution.

Recommended USB3 card that was tested and approved by Sarine:

**Neosys PCIe-USB380/340**

Additional information can be found under the following link:

[http://www.neosys-tech.com/Resource/Product\\_Document/PCIe-USB380/PCIe-USB380\\_Datasheet.pdf](http://www.neosys-tech.com/Resource/Product_Document/PCIe-USB380/PCIe-USB380_Datasheet.pdf)

The following table depicts the required available slots and their type (based on the card type that should be in use by the system):

<b>System Type</b>	<b>MHC Card (PCIe Slot)</b>	<b>Piccolo Card (PCIe Slot)</b>	<b>Firewire Card (PCIe Slot)</b>	<b>Ethernet Card (PCIe Slot)</b>
<b>DiaMension</b>	+	+		
<b>DiaMension HD</b>	+		+	
<b>DiaMension HD Marker</b>			+	
<b>DiaExpert</b>	+	+		
<b>DiaMark-Z</b>		+		
<b>DiaExpert Eye</b>	+		+	
<b>DiaMark-Z Eye</b>			+	
<b>Axiom</b>			+	
<b>Quazer 3 (Piccolo)</b>		+		+
<b>DiaScribe (Please consult with local distributor for specific computer recommendation)</b>				

Recommended laptop requirements for Sarine applications:

Lenovo Y700



	<b>Advisor</b>	<b>Instructor /DiaVision</b>
<b>Recommended Laptop</b>	Lenovo Y700	Lenovo Y700
<b>Processor</b>	Intel® Core™ i7-6700HQ	Intel® Core™ i7-6700HQ
<b>Hard Disk</b>	1TERA 5400RPM+128SSDH	1TERA 5400RPM+128SSDH
<b>Memory</b>	16GB(2*8GB) DDR4	16GB(2*8GB) DDR4
<b>USB ports</b>	2 Available USB Ports: At least 1 available USB 2.0 Port	2 Available USB Ports: At least 1 available USB 2.0 Port
<b>Graphic card</b>	NVIDIA® GTX 960M 4 GB GDDR5	NVIDIA®GTX960M4GBGDDR5
<b>DVD-ROM drive</b>	Not mandatory	Not mandatory
<b>Operating System</b>	Windows 10 64 bit (For Advisor 6.1 onward only)/Windows 8.1 64 Bit (For Advisor 5.3 onwards only)/ Windows® 7 Professional Ultimate 64 Bit (For Advisor 5.2 or earlier versions)	Windows 8.1 64 bit (Instructor 3.7)

**Additional Recommended laptop for Sarine Advisor:  
HP ProBook 450 G5 Laptop**



Advisor	
<b>Recommended Laptop</b>	HP ProBook 450 G5 Laptop
<b>Processor</b>	8th Generation Intel® Core™ i7 processor (i7-8550U )
<b>Hard Disk</b>	256GB HDD PCIe NVMe Value Solid State Drive
<b>Memory</b>	8GB (1x8GB) DDR4 2400
<b>USB ports</b>	2 Available USB Ports: At least 1 available USB 2.0 Port
<b>Graphic card</b>	NVIDIA® GeForce® 930MX (2 GB DDR3 dedicated, switchable )
<b>DVD-ROM drive</b>	Not mandatory
<b>Operating System</b>	Windows 10 64 bit (For Advisor 6.1 onward only)/Windows 8.1 64 Bit (For Advisor 5.3 onwards only)/ Windows® 7 Professional Ultimate 64 Bit (For Advisor 5.2 or earlier versions)