

Graphics Boards for *hyperCAD*[®]-S

System requirements: graphics engine requires an OpenGL accelerated graphics display driver. Latest generation of GPU with OpenGL 4.0 or higher is Windows don't supply OpenGL accelerated drivers out of the box. End users will need to install drivers from OEM or manufacturers in order to access native hardware-accelerated OpenGL. These drivers can be found on the web sites of most hardware manufacturers.

The following table gives the list of graphic cards and display driver suggested. **Please note:** This does not mean that *hyperCAD*[®]-S can only run on these specific systems. These are only the systems that are currently running automated test or are currently used in daily work. *hyperCAD*[®]-S should run on any graphics system that supports a complete implementation of OpenGL.

Reference driver can be installed on notebook GPUs. However, please note that your notebook original equipment manufacturer (OEM) provides drivers for your specific notebook on their website. Please check with your notebook OEM about recommended software updates for your notebook. On system with two graphic boards select the accelerated GPU (AMD/NVIDIA) instead of the integrated one, from the relative display control panel.

Windows update may change the display driver or video card settings without any notification. We recommend checking after the Windows update. The *hyperCAD*-S\systemchecktool.exe application may help you to identify problems.

The recommended graphics drivers do not consider the connection of additional peripheral devices. Connected devices can affect the quality and performance of the graphics card. Therefore OPEN MIND Technologies recommends to contact the hardware manufacturer in these cases.

All liability is excluded, all information is given without guarantee of being complete, correct and up-to-date.

Brand	Year	Series	Product	Windows 10	Windows 11
Quadro / RTX desktop workstation	2014	Kepler	K620		
			K1200	412.40	472.84
			K2200	472.84	473.81
			K4200	473.81	517.40
			K5200	517.40	
	2015	Maxwell	M2000	412.40	472.84
			M4000	472.84	473.81
			M5000	473.81	517.40
			M6000	517.40	
	2017	Pascal	P400		
			P600		
			P1000	412.40	472.84
			P2000	472.84	473.81
			P4000	473.81	517.40
			P5000	517.40	
			P6000		
			GP100		
	2018	Pascal	P620	412.40	472.84
			P2200	472.84	473.81
			P5200	473.81	517.40
			GV100	517.40	
	2019	Turing	RTX 3000		
			RTX 4000	472.84	472.84
			RTX 5000	473.81	473.81
			RTX 6000	517.40	517.40
			RTX 8000		
	2021	Turing	T400	472.84	472.84
			T600	473.81	473.81
T1000			517.40	517.40	
2021	Ampere	RTX A2000	472.84	472.84	
		RTX A4000	473.81	473.81	
		RTX A5000	517.40	517.40	
		RTX A6000			
2022	Ampere	RTX A4500	473.81	473.81	
		RTX A5500	517.40	517.40	

Brand	Year	Series	Product	Windows 10	Windows 11
NVIDIA Quadro / RTX notebook	2014	Kepler	K1100M	376.84	
			K2100M	391.03	
			K3100M	392.37	
			K4100M	412.40	
			K5100M	412.40	
	2014	Kepler	K2200M	412.40, 472.84, 473.81, 517.40	472.84, 473.81, 517.40
	2015	Maxwell	M500M	412.40	472.84
			M600M		
			M1000M		
			M2000M		
			M3000M		
			M4000M		
	2016	Maxwell	M5000M	517.40	517.40
			M620		
			M1200		
			M2200		
	2017	Pascal	P600	412.40	472.84
			P1000		
			P2000		
			P3000		
			P4000		
			P5000		
	2018	Pascal	P3200	412.40	472.84
			P4200	472.84	473.81
			P5200	473.81	517.40
	2019	Turing	T1000	517.40	517.40
			T2000	472.84	472.84
	2020	Turing	RTX 3000	473.81	473.81
			RTX 4000	473.81	473.81
			RTX 5000	517.40	517.40
			RTX 6000	517.40	517.40
	2021	Turing	T500 / T550	472.84	472.84
T600			473.81	473.81	
T1200			517.40	517.40	
2021-2022	Ampere	RTX A1000	472.84	472.84	
		RTX A2000	473.81	473.81	
		RTX A3000	517.40	517.40	
		RTX A4000	517.40	517.40	
2022	Ampere	RTX A5000	473.81	473.81	
		RTX A4500	517.40	517.40	
2022	Ampere	RTX A5500	473.81	473.81	
		RTX A5500	517.40	517.40	
Brand	Year	Series	Product	Windows 10	Windows 11
GeForce desktop / notebook	2014	Kepler	GTX 750	372.70	471,68
			GTX 760	398.36	
			GTX 770	430.86	
			GTX 780	442.19	
			GTX TITAN	471.68	
	2015	Maxwell	GTX 950	372.70	471,68
			GTX 960	398.36	
			GTX 970	430.86	
			GTX 980	442.19	
			GTX TITAN X	471.68	
	2016-2017	Pascal	GTX 1050	471.68	471.68
			GTX 1060	472.84	472.84
			GTX 1070 / Ti	517.40	517.40
			GTX 1080 / Ti	517.40	517.40
	2018-2019	Turing	TITAN XP	471.68	471.68
			RTX 2060	472.84	472.84
			RTX 2070	517.40	517.40
			RTX 2080 / Ti	517.40	517.40
	2020-2022	Ampere	TITAN RTX	471.68	471.68
			RTX 3050 / Ti	472.84	472.84
RTX 3060 / Ti			517.40	517.40	
RTX 3070 / Ti			517.40	517.40	
RTX 3080 / Ti			517.40	517.40	
2020-2022	Ampere	RTX 3090 / Ti	471.68	471.68	
		RTX 3090 / Ti	472.84	472.84	

	Brand	Year	Series	Product	Windows 10	Windows 11					
AMD - ATI	FirePro desktop workstation	2014	W	W600	15.301.2601 18Q1 - 23.20.15018.16 20Q1 - 26.20.14001.22011 20Q3 - 27.20.1027.2005						
				W5000							
				W7000							
				W8000							
				W9000							
		2015	W	W2100	15.301.2601 18Q1 - 23.20.15018.16 20Q1 - 26.20.14001.22011 20Q3 - 27.20.1027.2005						
				W4100							
				W5100							
				W7100							
				W8100							
				W9100							
				W4300							
				Radeon Pro / workstation			2017	WX	WX 2100	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2
									WX 3100		
	WX 4100										
	WX 5100										
	WX 7100										
	2019	WX	WX 3200	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2						
			WX 8200								
	2020	W	W 5500	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2						
			W 5700								
	2021-2022	W	W 6400	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2	21Q4 - 30.0.14011.2006 22Q2 - 30.0.21020.2						
			W 6600								
			W 6800								
	Radeon desktop workstation	2015	R9	270	Crimson 16.2.1 Driver 15.301.1901 Adrenalin 19.5.2 - 26.20.11015.5009 Adrenalin 20.4.2 - 26.20.15029.27017						
				280							
				290							
				380							
390											
2016		RX 400	460	Adrenalin 19.5.2 - 26.20.11015.5009 Adrenalin 20.4.2 - 26.20.15029.27017 Adrenalin 21.8.2 - 27.20.22025.1006 Adrenalin 22.2.1 - 30.0.14023.7007	Adrenalin 22.2.1 - 30.0.14023.7007						
			470								
			480								
2018		RX 500	550	Adrenalin 19.5.2 - 26.20.11015.5009 Adrenalin 20.4.2 - 26.20.15029.27017 Adrenalin 21.8.2 - 27.20.22025.1006 Adrenalin 22.2.1 - 30.0.14023.7007	Adrenalin 22.2.1 - 30.0.14023.7007						
			560								
			580								
			590								
2019		VEGA	VEGA Series	Adrenalin 20.4.2 - 26.20.15029.27017 Adrenalin 21.8.2 - 27.20.22025.1006 Adrenalin 22.2.1 - 30.0.14023.7007	Adrenalin 22.2.1 - 30.0.14023.7007						
2020		RX 5000	5500	Adrenalin 20.4.2 - 26.20.15029.27017 Adrenalin 21.8.2 - 27.20.22025.1006 Adrenalin 22.2.1 - 30.0.14023.7007	Adrenalin 22.2.1 - 30.0.14023.7007						
			5600								
			5700								
2021		RX 6000	6500	Adrenalin 21.8.2 - 27.20.22025.1006 Adrenalin 22.2.1 - 30.0.14023.7007	Adrenalin 22.2.1 - 30.0.14023.7007						
			6600								
			6700								
			6800								
			6900								