



WINNER DESIGN – SYSTEM REQUIREMENTS

System requirements

Workstation requirements

(for laptops and desktops running Winner Design)

Hardware	Minimum requirements	Recommended
RAM	4096	8192
DVD	4x	48x
Hard disk	40GB	400GB
Free hard disk cap.	5GB	20GB
Graphic card (see more info below)	AMD/ATI or Nvidia based graphic card (GPU)	NVIDIA GeForce or QUADRO AMD Radeon HD, R5, R7, R9, RX, +++
Monitor	17" (15" laptops)	24" (desktops)
Colour depth	16 bits	32 bits
Screen resolution	1024x768	1920x1080 or higher
Printers	-	Colour inkjet or Colour laser
CPU	Pentium Dual-Core	Intel® Core® i7 AMD FX
Operating System	Windows 7	Windows 10 Professional 64bit / Windows 10 Enterprise 64 bit

Please note! Apple Mac is not supported.

When purchasing new workstations, be sure to discuss the following matters with your hardware supplier:

- How to make a back-up copy of your data (e.g. stand-alone drive, network/server, CD-ROMs, memory stick etc.)
- Dual video output if two monitors are needed
- If a powerful rendering of photorealistic images is particularly important for you, you may want to go for a high-end Intel® Xeon® E5 CPU instead of an Intel® Core i7 CPU. Anyhow, regarding powerful renderings we can say the more cores the better.

Graphics cards

(for laptops and desktops running Winner Design)

Just like most CAD systems, Winner Design works best with good graphics hardware. The right type of graphics card can save you quite a few problems and will undoubtedly produce the best results.

Good 3D graphics cards will make the perspective drawings in Winner Design much faster and will dramatically improve their quality.

Compusoft has tested many graphics cards and recommends the following:

- NVIDIA GeForce or QUADRO.
- AMD Radeon HD, R5, R7, R9, RX, +++)

Nvidia and AMD make graphic chips that are used by many graphics card manufacturers (Asus, MSI, Gigabyte, Club 3D, Sapphire, LeadTek, etc.). Graphics cards based on the AMD and the Nvidia graphic chips may be sold by different names.

What is most important is that the card is based on the recommended chip from Nvidia or AMD.

For use with Winner Design we do NOT recommend the following graphics cards:

- Matrox cards (all types)
- ATI Rage Pro, All-In-Wonder Pro, Expert@Play98, Expert98
- S3 GammaChrome
- SIS cards (ordinary SIS cards and cards integrated on motherboard)
- XGI Volari
- Older Intel® Graphics cards (Intel HD Graphics 4600 and earlier). Newer Intel® Graphics cards will normally work but will normally be slower than NVIDIA and AMD based cards.

We urge you to follow this advice in an effort to avoid many problems later on. Even when the hardware dealer tells you another graphics card is 'just as good', please insist on a GeForce- or a Radeon-based card.

Server and network requirements

Server requirements

(For fewer than five users. For larger systems, please contact your local Compusoft office.)

Hardware	Minimum requirements	Recommended
RAM	4 GB	16 GB
DVD	4x	48x
Hard disk	100 GB	500GB, SAS disks in Raid 5, 6 or 10 solution
Free hard disk cap.	20GB	-
Operating System	Windows Server 2008 R2	Windows Server 2016
CPU	Intel Xeon 2.0Ghz	Intel® Xeon® E5- series

Network requirements

(For fewer than five users. For larger systems, please contact your local Compusoft office.)

Due to the graphic nature of the program, the Winner Design files are generally quite large. If you run Winner Design in a network, all network cables, routers, switches and other devices must have sufficient bandwidth (1 Gb/sec is recommended; the minimum is 100 Mb/sec). It is for this reason that Compusoft strongly advises against using Winner Design with wireless networks. Compusoft cannot be held responsible for the slower performance of Winner Design due to insufficient bandwidth.

Winner Design is not supported in a peer-to-peer network. The program requires a network environment with a specific server (see table above for the recommended Windows server). Network-attached storage (NAS) is not supported and is not comparable to a dedicated Windows server. NAS is only specialised for file sharing and does not have the same functionality as a standard server environment. Linux servers, regardless of their supplier (Samba, Red Hat, Arch, etc.), are also not supported.