WIN|JAY
RADIO AND TV AUTOMATION

WINJAY system requirements FAQ

At WINJAY, we can easily provide a fully tested and completely compliant turnkey system, so it will be ready to use just out of the box. But of course we are equally glad to provide just the software licence, to be installed on your existing workstation. For this, herein we have collected the most frequently Questions & Answers about system requirements.

Q.≡ What is a suggested hardware configuration in case I wish to build up a workstation myself?

A.≡ Below you will find a general purpose hardware configuration that is currently available on the market and offering excellent performance for a fraction of the price of typical "servers":

- Motherboard: Asus PRIME-B360/B365 or similar (socket LGA 1151)
- CPU: 7th or 8th generation Intel Core i7
- Power supply: Cooler Master or Enermax 500 Watts active PFC
- System memory: 8GB DDR4-2133 or better
- Storage: Western Digital Red/Green/Black, 2TB (or more)
- SSD boot disk: Samsung 850 EVO/PRO or Kingston V300
- Video card: integrated Intel Graphics HD 5xxx or dedicated nVidia GTX series
- Operating system: Windows 10, 64 bit

For video applications requiring A/V input and output:
- Blackmagic Decklink SDI or Studio 4K (depending on required input/output)

For audio applications:
- Asus Essence STX II

Since this workstation is usually intended for running 24 hours a day, we clearly suggest to pay attention to proper cooling. Optionally, you might also provide RAID and/or power supply redundancy for best security.

Q. Why lots of competitor companies are suggesting Dual Xeon or better server comparing to your core i7 workstation?

A. Despite the most creative excuses, the main reason behind pushing for such expensive server-based configuration is the attempt to hide and compensate for crappy engineering, in which case the application needs a lot of CPU power and very fast processing hardware to minimize the inevitable crashes to achieve acceptable results on such applications.

All WINJAY applications are engineered on most recent top-class SDKs and completely optimized for Windows10, so for the average scenario the CPU load will be less than 20% even on a plain core i5 setup.

Q. Is there any other reason why you generally do not encourage Xeon-based and/or branded servers ?

A. According to our extensive experience, such servers are engineered with proprietary chipsets and/or system devices. As the major consequence, system drivers are not quickly updated to reflect the frequent Windows Updates so at the end, we usually needed more or less tweaking to achieve the required system stability, comparing to a standard configuration that most of the time runs great just out of the box.

Q. Will your application run on Windows Server 2012 / 2016?

A. Because especially our video application make extensive use of the multimedia layer, some features might not work as expected or might not work at all without tweaking the system and/or installing additional software.

Q. The application is not stable.

A. As all WINJAY applications are extensively tested in thousands of alread existing installations, as a general advice when unexpected crashes and/or general application stability issues arise, this is due to a corrupted operating system and/or incompatible applications, which can be simply fixed with a clean reinstall of Windows and proper system drivers, taking care to avoid installing other not-broadcast related or possibly incompatible applications after the cleanup.