

WORKSTATION HARDWARE

Better Technology. Better Building.

Purchasing New Hardware for the MiTek® SAPPHIRE® Suite

These are recommended hardware specifications to effectively utilize the applications with reasonable performance expectations. **Maintaining current Windows Updates is necessary to ensure support.**

New Workstation - Recommendations	
CPU	2.8GHz 6th Gen+ Core i7 or Xeon v4+
RAM	16GB
HDD	500GB 7200 RPM or SSD Minimum 100GB Free
Video	2GB GDDR5 1600 x 900 or Higher Resolution

Supported Environments for MiTek® SAPPHIRE® version 8.2.x			
64-bit:	Workstation OS	Server OS	SQL Server
Editions	Professional Enterprise	Standard or Higher Essentials (1 Server, < 25 Users)	Standard Express*
Versions	Windows 10 Windows 8.1 Windows 7	2016 2012 R2 2012 2008 R2	2017 2016 2014 2012

SQL Express has performance limits, and a maximum database size of 10GB. Most SAPPHIRE® *Management* deployments require Standard.

Performance Considerations

Hard Drive Speed

Minimum 7200 RPM drives, although Solid State Hard Drives (SSD) are highly recommended for best performance.

Video Card

Discreet video card; 1GB RAM per monitor is highly recommended for users designing large multifamily or commercial structures.

Network Cards

For best performance, a wired Gigabit (10/100/1000) network is recommended, with all devices running at the same speed.

Recommendations for Highest Performance

- CPU with Base Frequency > 3.0 GHz and 6MB Cache
- SSD with > 500MB/s Read & Write Speeds
- Professional Workstation Graphics Card (i.e. NVidia Quadro)
- 32GB RAM recommended if multitasking (i.e. running Auto-CAD, or viewing large PDF documents simultaneously.)

Existing Workstation - Requirements	
CPU	2.6GHz 5th Gen+ Core i7 or Xeon v3+
RAM	8GB
HDD	256GB 7200 RPM Minimum 100GB Free
Video	1GB DDR3

Unsupported Operating Systems

Beginning with version 8.0, 32-bit versions are no longer supported. Also, the following operating systems are specifically not supported:

- All versions of Windows prior to Windows 7, including Windows 95, Windows 98, Windows NT 4.0, Windows ME, Windows XP, Windows Media Center Edition, and Windows Vista
- Windows 7 Home, Windows 7 Ultimate
- Windows 8 RT, Windows 8 Home
- Any version of Windows 10 not designated as "Professional" or "Enterprise" (i.e. Home, RT)