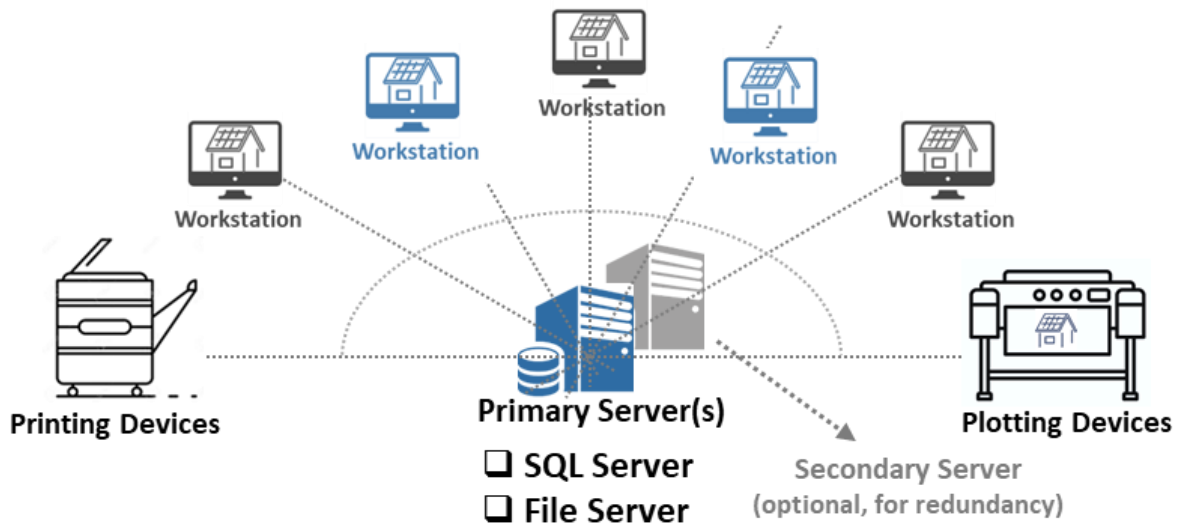


IntelliVIEW, SteelVIEW and eShop Hardware Requirements

Alpine Client-Server Network Configuration

This is a depicted network diagram, please consult your IT team for actual network configuration.



Workstation (Client)

The configuration detailed below is for a Client PC. A client is a computer running Alpine applications suite (*) but connected to a database located on another computer.

(*) **Alpine applications suite:** IntelliVIEW, SteelVIEW, Stitcher, VisionREZ and eSHOP

	Minimal (Entry Level)	Alpine Recommended (Performance)
Operating System	Windows 10 Pro 32/64 bit	Microsoft Windows 10 Ent. Or Pro 32/64 bit
Processor (CPU):	Intel Xeon or Core i5/i7 2.4/3.6GHz	Intel Xeon Gold 3.9 GHz Turbo or Core i7/i9 3.1/5 GHz
Memory (RAM)	8 GB DDR4 RAM	32/16 GB DDR4 RAM or more
Video	Nvidia Quadro P series w/2GB Or AMD Radeon Pro WX series	Nvidia Quadro P series w/8 GB Or AMD Radeon Pro WX series w/ 8GB
Hard Drive	256 GB SSD Drives	1 TB SSD Drives
Monitors	Single or Dual monitors, 1920 x 1080 resolution	Dual monitors, 1920 x 1080 resolution
Network (NIC)	1Gbps LAN network, Latency less than 2 milliseconds	
Internet Access	High speed internet access (DSL/ Cable)	
Additional	Microsoft Access 2010	

¹ Please note these are suggested requirements! Refer to Microsoft's official documentation for OS, SQL and ODBC connectivity and their other Requirements.

² Please consult with Alpine support for additional recommendations (helpdesk@alpineitw.com)

Alpine SQL/File Server

The configurations described below are for the server hosting the Alpine **iCommand** and **eShop** database. The number of user's column indicates how many Client computers will be connecting to this server. A client is a computer running Alpine **IntelliVIEW**, **SteelVIEW** and/or **eSHOP** that is connected, via a network, to the database on the server.

	Professional * (up to 15 Users)	Enterprise ** (up to 25 Users)
Operating System	Windows Server 2019, 2016 or 2012 R2 64 bit	Windows Server 2019, 2016 or 2012 R2 64 bit
SQL edition	Microsoft SQL Server 2012, 2016, 2017 or 2019 Standard or Pro Edition	Microsoft SQL Server 2012, 2016, 2017 or 2019 Standard or Pro Edition
Alpine Databases	iCommand and eShop	
Processor (CPU):	Intel Xeon or Intel i7, 4 core, 3.6/4.5 GHz	Intel Xeon or Intel i7/i9 6 or 8 core, 3.6/4.5 GHz
Memory (RAM)	16 GB RAM or more	32 GB RAM or more 25+ users at least 128 GB RAM
Video	Use Default	Use Default
Hard Drive (SQL)	1 TB SSD RAID Drives	2 TB SSD RAID V3 Drives 25+ Users use, 4+ TB RAID SSD Drives
Storage (FileServer)	1 TB SSD Drives (physical or VM)	4 TB SSD Drives (physical or VM)
Monitors	Standard	Standard
Network (NIC)	1Gbps LAN network, Latency less than 2 milliseconds	
Internet Access	High speed internet access (DSL/ Cable)	
Environment	Physical or VMs	
Additional	<p>* Single Server, hosting both SQL & File Shares</p> <p>** Single or Dedicated Two Servers, one for SQL and other for standalone File Server</p> <p>*** 25+ Users: Please consult with your Alpine representative for specific details</p>	

Standalone File Server

In addition to a dedicated SQL server:

[Optional] Dedicated two server configurations	
Operating System	Windows Server 2019, 2016 or 2012 R2 64 bit*
Processor (CPU):	Intel Core i5/i7/i9, 9 th Gen
Memory (RAM)	8 or 16 GB SDRAM RAM or more
Video	
Hard Drive	2 TB, SSD Drives 25+ Users - 4+ TB SSD Drives
Monitors	Standard
Network (NIC)	Gigabit
Environment	Physical or VM

Performance Considerations

Hard Drive Speed

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

Video Card

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

Local Area Network

For best performance, a wired Gigabit (10/100/1000) network is recommended

For Highest Performance

- CPU with Base Frequency > 3.0 GHz
- SSD with > 500MB/s Read & Write Speeds
- Professional Workstation Graphics Card (i.e. NVidia Quadro)
- ❖ 32GB RAM recommended if multitasking (i.e. running Stitcher or viewing large output files or models simultaneously.)

Unsupported Operating Systems

Beginning with IntelliVIEW 20.x the following operating systems and software versions are not supported:

- ❖ Windows OS prior to 8.1
- ❖ Windows server 2008
- ❖ SQL Server 2008

Backup Solution (Server):

Alpine recommends periodic backups for SQL/File Servers (including all databases and file system) and workstations running our IntelliVIEW suite of products.

Disaster Recovery Guidelines:

Disaster can strike at any moment, and it comes in a multitude of forms. Create a strategy and plan to reduce and mitigate your risks. For more information consult with your Alpine representative.