

REQUIREMENTS **MUST** be followed for proper installation and operation of AMS software.
RECOMMENDATIONS are guidelines that AMS has found will greatly improve the users experience.

There are additional products from Pervasive Software that are required. Offices with 5 computers or less require the Pervasive SQL V9.5+ WorkGroup Engine. For smaller sites desiring additional security, performance, or growth potential, the Pervasive SQL V9.52+ Client/Server Engine is recommended. Sites with 6 or more computers require the Pervasive SQL V9.52+ Client/Server Engine. Pervasive SQL V10.01 is recommended for Windows Vista. Pervasive products are available to AMS clients at a discount from Goldstar Software. Contact Bill Bachor Mary Jo Van Sipma at 708-647-7665 or sales@goldstarsoftware.com. Helpful hints for installing and running the AMS system with Pervasive.SQL are available at http://www.goldstarsoftware.com/apps_ams.asp.

Peer-to-Peer Server or Stand Alone Workstation

A Peer-to-Peer Server is a workstation that is being used as a server on a small network of up to 5 computers.

SERVER REQUIREMENTS

- Microsoft Windows® XP Professional/Home (Service Pack 2), Windows Vista, Windows 2000 Professional (Service Pack 4), Windows 2000 Server (Service Pack 4) or Windows 2003 Server (Service Pack 1)
Other Windows operating systems are not supported due to the fact that Microsoft is terminating support on them.
- Pervasive SQL V9.52+ WorkGroup Engine **REQUIRED**. For additional security, performance, or growth potential, the Pervasive SQL V9.52+ Client/Server Engine is Recommended.
- Pentium 4 - 2.4GHz+ class processor, AMD Athalon XP 3400+, or better
Note: Dual Core processors will increase performance.
- 1GB RAM 2Gb Required for Windows Vista
- 40+ GB available HardDrive space
- 1024 x 768 resolution at 16-bit color depth or higher required
- 24x CD-ROM or better
- Zip, Jaz, or multiple SanDisks are recommended for backups. Tape Backups are also acceptable. CD/DVD's are acceptable, but require a Packet writing application such as Roxio Easy Media Creator's Drag to Disk application.
Note: Because of the limited life cycle and reliability of CDs, DVDs, CD-RWs, and DVD-RWs, they are NOT the most superior storage media devices for backing up your system. External Hard Drives are not recommended.
- 100Mbps PCI or onboard Network Interface Card capable of supporting full-duplex operations
- All workstations must have Full Control NTFS permissions and Full Control share permissions to the AMS Data folder.

RECOMMENDATIONS

- 80 GB free disk space and up to 200+ GB free disk space for the Electronic Medical Records Scanner Interface.
- 17" monitor capable of supporting 1024x768 resolution at 32-bit color depth is recommended for the Electronic Medical Records Scanner Interface. 1024x768 resolution can be difficult to view on a monitor smaller than 17".

WORKSTATION REQUIREMENTS

- Microsoft Windows® XP Professional/Home (Service Pack 2), Windows Vista or Windows 2000 Professional (Service Pack 4)
- Pervasive SQL V9.52+ WorkGroup Engine **REQUIRED**. For additional security, performance, or growth potential, the Pervasive SQL V9.52+ Client/Server Engine is Recommended.
- Pentium 4.2+ Ghz, AMD Athlon 64 3000+ or better (Dual Core will improve Performance)
- 512+ MB Ram 2Gb Required for Windows Vista
- 8+ GB Free disk space
- 1024 x 768 resolution at 16-bit color depth or higher required

RECOMMENDATIONS

- 1+ GB RAM for Power Users

Dedicated File Server

A Dedicated File Server is a computer that is not used by anyone. The sole function is to ensure that the workstations have their data in nice quick fashion. They are commonly equipped with redundancy, such as Raid 5, which is 3 or more disks acting as and stripping data from one drive to the next, so that if a drive goes down you will not lose data.

Note: Processor speed is based on the number of concurrent users logged into the AMS Software.

SERVER REQUIREMENTS

- Microsoft Windows 2000 Server Service Pack 4, or Windows 2003 Server Service Pack 1
- 40+ Gb Hard Drive space Free

1 - 5 Users:

- Pentium 4 Processor or AMD Athalon 64 2800+
- 1 GB RAM

6 - 10 Users:

- Pentium 4 Xeon 2.0 Ghz, AMD Opteron Model 146, or higher
- 1+ GB RAM

11 - 25 Users:

- Pentium 4 Xeon 2.8 Ghz , AMD Opteron Model 180, or higher
- 2 GB Ram
- SCSI Drives (Raid 5) should be considered

26+ Users:

- Pentium 4 Xeon 2.8 Ghz, AMD Opteron Model 180, or higher
- 2GB RAM
- Dual Processors should be considered

RECOMMENDATIONS

- 80 GB free disk space and up to 200+ GB free disk space for the Electronic Medical Records Scanner Interface.
- Gigabit Ethernet connection should be considered for 50+ users

WORKSTATION REQUIREMENTS

- Microsoft Windows® XP Professional/Home (Service Pack 2), Windows Vista or Windows 2000 Professional (Service Pack 4)
- Pervasive SQL V9.52+ WorkGroup Engine REQUIRED. For additional security, performance, or growth potential, the Pervasive SQL V9.52+ Client/Server Engine is Recommended.
- Pentium 4.2+ Ghz, AMD Athlon 64 3000+ or better (Dual Core will improve Performance)
- 512+ MB Ram 2Gb Required for Windows Vista
- 8+ GB Free disk space
- 1024 x 768 resolution at 16-bit color depth or higher required

RECOMMENDATIONS

- 1+ GB RAM for Power Users

Remote Connections

REQUIREMENTS

Note: HIPAA requires data be encrypted when transferred via the Internet.

Microsoft 2003 Terminal Services, Citrix Metaframe or equivalent Citrix Terminal Server.

1 to 3 Thin Clients can use the Same Dedicated Server.

4 or more Thin Clients should have a separate server for the Remote Connections (Thin Clients).

1 - 3 Thin Clients:

- Pentium 4 Processor or AMD Athalon 64 2800+
- 1 GB RAM

4 - 10 Thin Clients:

- Pentium 4 Xeon 2.0 Ghz, AMD Opteron Model 180, or higher
- 2 GB RAM

11 - 30 Thin Clients:

- Pentium 4 Xeon 2.8 Ghz , AMD Opteron Model 180, or higher (Dual Processor's or Dual Core should be considered)
- 2 GB RAM (More Ram should be considered)
- Microsoft recommends Dual NIC (Network Interface Card) cards placed on different Subnets, 1 for the Thin Client Connection and the other for communicating to the AMS Dedicated Server.

31+ Thin Clients:

- Multiple Terminal Servers and Load Balancing - 1 Additional Server needed for Every 30 users (31-60 users - 2 Servers, 61-90 users - 3 servers, etc.)

Peripherals

For printing of statements and the various forms and reports generated by the AMS software, recommended printers are the HP LaserJet P3005 Series printers. Inkjet printers and HP LaserJet 1000 Series printers are not recommended. Dot Matrix printers are not recommended. The Star Micronics 800 Series Thermal Printer is optional for printing of Prescriptions.

For Electronic Claims Processing and downloading AMS Updates, an internet connection is required. A broadband internet connection such as DSL or Cable/Modem is highly recommended.

For Electronic Medical Records Scanning Interface, a TWAIN compliant scanning device or digital camera is required. Additional RAM and hard drive space is recommended. The Scanner should be attached to a workstation on the network.

For Tablet PC use, our software will run on Tablet PC's using the Windows® XP Tablet PC Edition operating system.

For Handheld Pocket PC Module, a Pocket PC with 400+ Mhz processor, and 64+ Mb RAM using Microsoft Pocket PC 2003 Edition (or higher) as the operating system is required.

Reserve Power Supply - A UPS Battery Backup is recommended for Power interruptions.

Anti-Virus

McAfee Anti-virus or Norton Anti-Virus are both approved for use with American Medical Software. Norton Antivirus Corporate Edition 10.0 or higher is recommended for a dedicated server.

Networks

- TCP/IP Protocol
- 100 MB Switched Network running Full Duplex (More than 25 users Gigabit Network recommended)
- 256k upload for every 5 Remote Thin clients is recommended.

Backups

- Zip, Jaz, or multiple SanDisks are recommended for backups. Tape Backups such as LTO drives are acceptable, but require a backup software application and knowledge of that application. CD/DVD's are acceptable, but require a Packet writing application such as Roxio Easy Media Creator's Drag to Disk application.

Note: Because of the limited life cycle and reliability of CDs, DVDs, CD-RWs, and DVD-RWs, they are NOT the most superior storage media devices for backing up your system. External Hard Drives are not recommended.

For more specific questions or unique configurations contact AMS at **800-423-8836**.