HARDWARE AND SOFTWARE REQUIREMENTS
PENTAGON 2000SQL FOR WINDOWS

File Server / Database Server

- 64 Bit Processors, Single or Dual CPU, 4 or 8 Core per CPU
- Min of 24 GB of RAM or better recommended
- Fast SAS/SCSI/raid controller (with fast caching)
- Raid 10 configuration, fast SCSI / SAS hard disk drives, 15,000 RPM, SSD Drives recommended.
- UPS battery to protect file server
- Windows Server 2012 R2 Standard/ Enterprise/ Datacenter
- Microsoft SQL Server 2014/ 2016 Standard/ Enterprise

Workstations – Local network

- i7 processor or better
- 4 GB RAM or better
- 200GB hard disk drive or better
- 20" monitor or better recommended
- Operating system: Windows 7 / Windows 10 Professional (Recommended).
- SQL Client Installation Required, SQL Client must match the SQL Server version

Workstations – Remote Access

Remote Desktop or Citrix Client can be used by various applications; Windows RDP, Mac., iPad etc., the requirement and performance are mostly based on the internet bandwidth, speed and server capacity the client is connected to will require a gateway.
Printers – Forms & Reports
  ▪ Any LaserJet printer pcl6 compatible (HP Laser Printer pcl6 recommended)

Printers – Bar-Code Labels
  ▪ Any “Zebra Technologies” bar code printer using the ZPL/ZPLII printer language only

Backup
  ▪ Any backup drive with the capacity of the hard drive, or other backup method to support the SQL database Backup program

Imaging Module – Supported Scanners
  ▪ Any Twain compatible scanner with automatic feeder.
  Network Scanner with static IP recommended, for remote access a ‘Remote Scan’ third party program is required.
  For large capacity imaging, dedicated Drive recommended for storage.

Fax Server Requirements

The decision regarding which type of combination to choose is based on the expected number of faxes sent daily. There are a number of possible combinations; please chose the combination that is most applicable to your operations and the volume of faxes sent out by your organization.

Email fax services (Recommended):
Email fax services are one of the latest innovations in the way we do business. You no longer need a landline phone and a fax machine to receive and send faxes. Now you can send and receive faxes by email directly from Pentagon 2000.
With this module, when submitting the document from Pentagon to the Fax, Pentagon will send the document by email to the Fax service provider which they will send the fax for you to the destination you specified.
Physical Fax Server:
Since the fax server is integrated with Pentagon, the convenience of sending faxes via the Pentagon system will increase the number of faxes you will be sending compared to the manual method using the fax machine. Please take this into consideration when estimating the number of faxes to be sent daily.

When estimating the average number of faxes, consider that one fax transmitter can handle between 200-300 faxes per day on average (this is when the faxes are sent during the day in a normal situation).

All fax transmitters’ computers need to connect to the same network domain, should have SQL client installed, and access to the \P2000SQL directory.

General

All the faxes that will be sent by the users will be stored in the SQL database (Fax image and fax information). You can add as many fax transmitters as you wish. The system will distribute the faxes from the main fax list and each fax transmitter will pull the next pending fax on the list based on the settings defined in the transmitter. You can always add more transmitters as needed without interrupting the existing fax transmitters that already configured.

Fax Modem

Any external modem that is compatible with your operating system. Please visit our website for recommended fax modems.
Mandatory Backup Systems

It is imperative that you implement a backup system that will safely and efficiently backup your SQL database. Losing this data would cause significant setbacks both in your operations and finances. Using a backup utility such as SQL Manage, Symantec, Veritas, etc. will ensure that your business data remains intact in the face of some unforeseen event.

Whichever choice you make, be sure that it carries out the SQL Maintenance Plan

We recommend SQL Manage by FutureIT. SQL Manage offers customers a comprehensive maintenance solution from one centralized console, automates and simplifies traditional DBA tasks such as monitoring, re-indexing, backup & restore, compression, and beyond. SQL Manage is a true “All-in-One” solution, allowing anyone with or without a technical background to effectively manage their SQL Server environment. SQL Manage users enjoy enhanced performance, work continuity, higher availability, a dramatic decline in overhead and fewer failures; all of which will reduce overall IT costs.

Implementation Guidelines

1. Get a Microsoft Professional to install your network and SQL Server
2. Plan your resources months ahead
3. Assign team leaders with procedures responsibility
4. Assign Power-Users who will be your in-house experts
5. Setup your system defaults and tables according to your business practices and your company structure
6. Plan your Data Conversion
7. Get training from Pentagon 2000
8. Practice on the system using your own data by running business cases
9. Plan “Going-live” date
10. Setup daily automatic SQL database back up maintenance plan

***And remember: You can always call Pentagon 2000 with any question you may have. ***