

Database Server					
Component / Number of users	1-10 users	11-25 users	26-50 users	51-99 users	100+ users
Processor - Recommended	Quad-Core Zeon (4 cores, 1.6 GHz+)	Two Quad-Core Zeon (8 cores, 1.6 GHz+)	Two Quad-Core Zeon (8 cores, 2.26 GHz+)	Two Quad-Core Zeon (8 cores, 2.26 GHz+)	Four Quad-Core Zeon (16 cores, 2.26 GHz+)
Processor - Minimum	Dual-Core Zeon (2 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)
Memory / RAM - Recommended	16 GB	32 GB	64 GB	64 -128 GB	128-160 GB
Memory / RAM - Minimum	8 GB	16 GB	32 GB	64 GB	128 GB
Disk Configuration	RAID 1 or RAID 5				
Hard Drive - Total Storage	500 GB SCSI, 15K RPM (Should be capable of adding more storage)	1 TB SCSI, 15K RPM (Should be capable of adding more storage)	1.5 TB SCSI, 15K RPM (Should be capable of adding more storage)	2 TB SCSI, 15K RPM (Should be capable of adding more storage)	3 TB SCSI, 15K RPM (Should be capable of adding more storage)
Operating system	Windows® Server 2003 or 2008				
Sybase Anywhere Database License	1 license				
Network Card / Ports (1000Mbps)	2 NIC, 1 port each	2 NIC, 1 port each	2 NIC, 2 ports each	2 NIC, 2 ports each	2 NIC, 2 ports each
Backup Solution	Back up on external hard disk or tape. (Online / offsite backup is recommended.)				
Internet connectivity	Broadband Internet connection required for online services.				
Notes	What should not be run on the database server? DNS server, Domain Controller, Router, File and/or print server, Terminal Services/Citrix Services.				

Citrix / 2X / Terminal Server (For multiple locations)					
Component / Number of users	1-10 remote users	11-25 remote users	26-50 remote users	51-99 remote users	100+ remote users
Processor – Recommended	Two Quad-Core Zeon (8 cores, 1.6 GHz+)	Two Quad-Core Zeon (8 cores, 1.6 GHz+)	Two Quad-Core Zeon (8 cores, 2.26 GHz+)	Two Quad-Core Zeon (8 cores, 2.26 GHz+)	Four Quad-Core Zeon (16 cores, 2.26 GHz+)
Processor – Minimum	Quad-Core Zeon (4 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)	Quad-Core Zeon (4 cores, 1.6 GHz+)	Two Quad-Core Zeon (8 cores, 1.6 GHz+)
Memory / RAM - Recommended	16 GB	32 GB	64 GB	128 GB	160 GB
Memory / RAM - Minimum	12 GB	24 GB	48 GB	96 GB	128 GB
Disk Configuration	RAID 1				
Hard Drive - Total Storage	160 GB SCSI, 15K RPM (Should be capable of adding more storage)	250 GB SCSI, 15K RPM (Should be capable of adding more storage)	250 GB SCSI, 15K RPM (Should be capable of adding more storage)	500 GB SCSI, 15K RPM (Should be capable of adding more storage)	500 GB SCSI, 15K RPM (Should be capable of adding more storage)
Operating system	Windows® Server 2003 or 2008				
Sybase Anywhere Database License	1 license				
Network Card / Ports (1000Mbps)	2 NIC, 1 port each	2 NIC, 1 port each	2 NIC, 2 ports each	2 NIC, 2 ports each	2 NIC, 2 ports each
Backup Solution	Back up on external hard disk or tape. (Online / offsite backup is recommended.)				
Internet connectivity	Broadband Internet connection required for online services.				

Web Server / Patient Portal (optional)		
Component	Minimum Specifications	Recommended Specifications
Processor	Quad-Core, (4 cores, 1.6 GHz+)	Two Quad-Core, (8 cores, 2.26 GHz+)
Memory / RAM	4 GB	16 GB
Hard Drive	80 GB	250 GB
Operating system	Windows® Server 2003 or 2008 (SMB will work fine)	Windows® Server 2003 or 2008 (SMB will work fine)
Internet connectivity	Broadband Internet connection required for online services.	Broadband Internet connection required for online services.
Network Card / Ports (1000Mbps)	2 NIC, 1 port each	2 NIC, 1 port each

Workstations	Workstations (Desktop / Laptop / Tablet PC)	High-Usage Workstations (e.g. Dictation, Scanning and Front Desk / Check In-Out)
Component	Minimum Specifications	Minimum Specifications
Processor	Intel® i5, 2.70 GHz+	Intel® i7, 2.40 GHz+
Memory / RAM	4 GB	6 GB
Hard Drive	120 GB	250 GB+
Operating system	Windows 7 Pro	Windows 7 Pro
Sybase Anywhere Database License	1 per concurrent user	1 per concurrent user
Lead Tools License	1 per concurrent user	1 per concurrent user
Network Card	100 Mbps	100 Mbps
Wireless Network Card (WiFi)*	802.11G or higher	802.11G or higher

Infrastructure		
Component	Minimum Specifications	Recommended Specifications
Wired Network	100 Mbps Ethernet or higher	1000 Mbps Ethernet or higher
Wireless (WiFi)*	802.11G or higher	802.11N or higher

Peripherals	
Printer	PCL5 or higher compatible network printer (All-in-one devices should not be used as a scanner, but, can be used for printing.)
Scanner	Twain Compatible drivers required. We recommend Fujitsu FI-6130. 'Remote scan' software for scanning over remote server.
Fax Server*	IMS Fax Server – Single or Multi-line
Label Printer*	Dymo Label Writer 400/450
Card Scanner*	Docket Port DS687 (Duplex), Docket Port PS467 (Simplex)
Router	Secure encrypted connectivity (VPN) for communication between facilities is required using a VPN enabled router.

*optional equipment.