Softech solutions strongly adhere to compliance with MICROSOFT WINDOWS operating systems and specified hardware requirements herein. The entire Softech solution suite has been tested and certified using the system requirements described herein. Any deviation may result in unpredictable behavior and/or poor performance.

### Supported Systems

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Processor (CPU)</td>
<td>15 (Peer-to-Peer)</td>
<td>Xeon Quad Core or Higher</td>
</tr>
<tr>
<td>64-bit RAM</td>
<td>Quad Core</td>
<td>Quad Core or Higher</td>
</tr>
<tr>
<td>Hard drive / Free</td>
<td>8 GB (Minimum)</td>
<td></td>
</tr>
<tr>
<td>Network Card Other</td>
<td>1 TB / 250 GB</td>
<td></td>
</tr>
<tr>
<td>Ethernet 1 Gbps</td>
<td>DVD-RW Drive</td>
<td></td>
</tr>
<tr>
<td>DVD-RW Drive</td>
<td>4 USB 2.0/3.0 capable ports</td>
<td></td>
</tr>
<tr>
<td>LCD Monitor</td>
<td>Mouse/Keyboard wired</td>
<td></td>
</tr>
<tr>
<td>Mouse/Keyboard wired</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
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</tbody>
</table>

- **Backup** should be adequate for backing up the entire server hard disk including the operating system (full system backup), NAS (Network Appliance for Storage) is recommended. **ATTENTION:** Dentech requires FULL backups (not incremental).
- (3Mbps DL – 1 Mbps UP speed minimum)
- Trend Virus protection with updates is highly recommended with exclusions enabled
- UPS/Surge suppression hardware

### Supported Operating Systems

| Single User                 | Dentech software multi-user version |
|                            | Windows 7-10 Professional 64-bit    |
| With 2-4 Workstations      | Dentech software multi-user version |
|                            | Peer-to-Peer Configuration TCP/IP Protocol (ONLY for Dentech – NOT for DenChart™) |
| Windows 7-10 Professional  | Windows 7-10 Professional 64-bit    |

### Network

- Switch: 1 Gbps (GB Per Second)
- Switch 2: 1 Gbps

### Windows Workstation

- Processor (CPU) 64-bit
- RAM: 30 GB
- Ethernet 1 Gbps
- Other: 4 USB ports are recommended for imaging
- High Speed Internet access is highly recommended (3 Mbps DL – 1 Mbps UP speed)
- Trend Virus protection with updates is highly recommended with exclusions enabled
- UPS/Surge suppression hardware
- Trend Virus protection with updates is highly recommended with exclusions enabled
- DenChart Certified Headset* - Wireless

### Windows Server

- Processor (CPU) 64-bit
- RAM: 8 GB (Minimum)
- Ethernet 1 Gbps
- DVD-RW Drive
- 4 USB 2.0/3.0 capable ports
- LCD Monitor
- Mouse/Keyboard wired
- DenChart Certified Headset*:
- 4 USB ports are recommended for imaging
- High Speed Internet access is highly recommended (3 Mbps DL – 1 Mbps UP speed)
- Trend Virus protection with updates is highly recommended with exclusions enabled
- UPS/Surge suppression hardware

### Clinical & Business Operations (including digital imaging)

- Processor (CPU) 64-bit
- RAM: 1024 x 768 resolution
- Ethernet 1 Gbps
- DVD-ROM Drive
- 4 USB 2.0/3.0 capable ports
- Mouse/Keyboard wired
- DenChart Certified Headset*:
- 4 USB ports are recommended for imaging
- High Speed Internet access is highly recommended (3 Mbps DL – 1 Mbps UP speed)
- Trend Virus protection with updates is highly recommended with exclusions enabled
- UPS/Surge suppression hardware

### Internet Connectivity - ALL PCs (is Required)

- Windows 7-10 Professional 64-bit (with Dentech 9.0 or higher installed)
- With Crystal Reports 2008
- Windows Installer 3.1
- Windows .Net 4.6 & SP1 for Win 7 PRO
- Wingdings II Font

**Note:**

MS Windows 7 – End of Life 14 Jan. 2020

**Release Date:** 07 March 2017 Rev. 9.x
SUGGESTIONS

Not Recommended:

1. Mixing 10/100 Mbps switches and workstations with Gbps (1000 Mbs) switches degrades the network performance as the switch is trying to compensate for the different communication speeds.
2. Incremental backups are not adequate for Dentech (known issues when using Carbonite).
3. Running backup applications and/or antivirus scans during operating hours (Doing so prohibits proper Dentech backup due to open files and it slows down the system performance for all users)
4. Running updates for antivirus applications during operating hours
5. Using the server as a workstation
6. Placing the imaging folder (e.g. Apteryx, Kodak) under the DTWIN folder. This will adversely impact the ability to backup the imaging system in incremental mode.
7. Running Wireless Networks less than 1GB connection speed.

Considerations:

1. RAM (Random Access Memory) requirements may need to be higher if the users are running multiple applications at the same time that are memory intensive.
2. Streaming audio/video services require higher RAM
3. Antivirus setup should exclude all Softech applications (Dentech, DenChart, Apteryx, Intouch, Check Me In, DenDocs) both at the server and the PCs
4. The computing infrastructure (Server, Firewalls, Switches & PCs) should be maintained by qualified technicians on an ongoing base for optimum performance (This service is called “IT Managed Services”)
5. All Cabling should be certified Cat5e or Cat6.
6. All computers should be 1GB NIC card. (Anything less will result in poor performance speeds and longer times to open applications).