SERVICE JUSTICE ACCESS

Missouri Court Automation

Hardware and Software Standards November 2012

INTRODUCTION

The attached table is a compilation of the court automation infrastructure standards adopted by the Missouri Court Automation Committee. Note that the standards specify minimum configurations and also the configuration most commonly purchased now. These standards are for new purchases and do not impact current equipment and software, which works successfully with Court Automation solutions.

Because of Justice Information System (JIS) case management system requirements, the standards have been expanded to include more specific language relating particularly to server and printer specifications.

- The Applications Server provided for each court is reserved for JIS and other system applications. It is configured by technical staff for optimal configuration. No modifications to the server are allowed without specific approval, in writing, by the Director of OSCA Information Technology Services.

- Print requirements for JIS dictate the use of networked printers. Printers shared from workstations and local printers are not acceptable for JIS.

Software versions have generally been removed from the descriptions with the current released version of software accepted as standard.

For courts not purchasing from the competitively bid state contracts, specifications for court automation workstations are attached. These specifications must be used to guarantee compliance and compatibility.

Located at:
Internet: http://www.courts.mo.gov
Your Missouri Courts Home :: Know Your Courts :: Office of State Courts Administrator :: Court Technology :: Infrastructure Standards
OR
Lotus Notes:
Missouri Courts Info Center (MCIC)

Hardware/Software Component	Standard
WORKSTATIONS AND MONITORS	
Desktop Personal Computer (Minimum Configuration)	**For new computers:** Intel core based processor (MHz based on current availability) 8GB RAM 160GB hard drive On board dual monitor support or Dual head video card for two 19” monitors Integrated Intel 10/100/1000 or Integrated Broadcom 10/100/1000 Ethernet card DVD +/- RW DL Integrated Sound Card External speakers optional USB standard keyboard and USB Mouse 4 year Warranty
Monitor: (Minimum Configuration)	19" SVGA LCD color monitor (23” SVGA LCD color monitor and Splitview software for split screen)
Laptop Personal Computer (Minimum Configuration)	**For new computers:** Intel core based processor (MHz based on current availability) 8GB RAM 120GB hard drive 15" or greater TFT XGA color screen Integrated Intel 10/100/1000 or Integrated Broadcom 10/100/1000 Ethernet card DVD +/-RW DL Built in wireless (802.11 b/g/n) with wired/wireless auto-switching capabilities 4 year Warranty
Digital Sound Recording Workstation (Minimum Configuration)	**For new computers:** County must purchase 2TB network storage (NAS) device with built in Raid 1 abilities before purchasing new FTR Gold PC for archiving recordings. NAS unit tested to support up to 5 FTR Systems. Must be Desktop mini-tower Class Computer Intel dual core processor 8GB RAM 2 – 160GB SATA 7200 rpm hard drives 3COM/Integrated Broadcom 10/100/1000 Ethernet 1- DVD +/- R/W DL On board dual monitor support or dual head video card for two 19” monitors USB standard keyboard and USB Mouse Monitor – Min. 19” (23” for split screen) UPS 1000 External Speakers 5 Year Warranty

Servers – LAN, Lotus Notes, Forms (Minimum Configuration)	**HP/Compaq Proliant** Intel 8GB RAM 2 – 72GB hard drives Hot Swappable drive RAID 1 recommended
Application Server	**HP/Compaq Proliant** Intel dual processor 3.8 GHZ 8GB RAM Hot Swappable drive RAID – 5 redundancy/RAID 0+1
Servers – Database (Minimum Configuration)	**HP/Compaq Proliant** Intel dual processor 3.8 GHZ 8GB RAM 5-36GB hard drives RAID-5 redundancy/RAID 0+1 Hot Swappable drive
Printers Most Common Now: HP LaserJet P2055DN (black) less than 3000 copies per month HP LaserJet P3015DN (black) more than 5000 copies per month HP LaserJet P3525DN (color printer) between 1500 to 5000 copies per month HP LaserJet P2025 DN (Color printer) less than 2000 copies per month **Printable area must be at least a quarter inch each side of the page and support postscript printing.**	**Hewlett Packard LaserJet Series** For ALL Courts, printers must support PCL5, PCL6 and Postscript or HP Universal Print Driver v. 4.7 or higher HP Laser Jet with MICR modules (may need to be customized) for JMS only For courts which elect to print magnetic coding on checks must contact OSCA technical staff before purchasing
Check Printers **Model:** Contact OSCA for currently supported model **(Compatible MICR printers are available only through Source Technologies)**	**For JIS only** **(MICR printer is not supported by OSCA)**
Multifunction Products With printer, copier, FAX, scanner capabilities	**Acceptable:** HP LaserJet M3035xs HP Color LaserJet CM2320nf MFP
Print Servers	**Hewlett Packard Jet Direct** Required for network printers without an internal print server.
Bar Code Scanner	**DataLogic GO4300** Call Help Desk for handheld laser scanner
LOCAL AREA NETWORK (LAN) PERIPHERALS	
Uninterruptible Power Supply	**APC Smart UPS**
Optical Storage	**DVD +/- RW Dual Layer**
Networked CD-ROM Drive Option	**Standalone CD-ROM Miniserver**
USB Jump Drives	**Kingston DataTraveler**
LOCAL AREA NETWORK AND WORKSTATION SOFTWARE	
Network Operating System	**Windows 2008 R2 Domain Controllers and File Servers** **Windows Server 2003 Enterprise Edition, w/SP2 for Application Servers/Database Servers**

Desktop Operating System	**Windows 7 64bit Pro**
Office Automation (Word processing, spreadsheet, presentation, and db)	**Microsoft Office 2010 Pro**
Help Desk	**Numara Footprints**
Project Management Software	**Microsoft Project**
Sound Recording	**FTR – Version 5.3**
PDF Document Generation	**Acrobat Pro, Cute PDF Pro**
Web Browser	**Microsoft Internet Explorer**
Groupware/Electronic Mail	**Lotus Notes**
Document Viewer	**Adobe Acrobat Reader, Cute PDF Pro**
Anti-Virus Software	**MS Forefront Endpoint Protection, Cisco Ironport**
Workflow/Graphics	**Microsoft Visio**
Report Generator	**Cognos ReportNet, Crystal Reports**
Remote Communications	**SCCM**
File Compression	**WinZip**
Network Backup Software	**HP Data Protector**
Network Management Software	**System Center Configuration Manager (SCCM), CiscoWorks, MS Windows Software Update Services (WSUS), MRTG, Solarwinds**
Sanitization Software	**Killdisk**
Media Player	**Windows Media Player**
Defragmentation Software	**PerfectDisk**
WAN/LAN COMPONENTS	
Switches	**Cisco (for temporary use only Linksys unmanaged switches are acceptable)**
Wireless Bridge	**Cisco/Alvarion**
Router	**Cisco with WAAS and AXP**
LAN Wiring	**Category 5E UTP (minimum) Wiring System Category 6 Recommended**
LAN Topology	**10/100/1000 Base T or 10/100 Base T**
Network Protocol	**TCP/IP**
Remote Access VPN	**Cisco Pix Firewall** **Cisco ASA**
VPN Client	**Cisco VPN Client – with ACS-RSA Secure ID tokens** **Cisco Client- Any Connect with ACS-RSA Secure ID tokens.**
Wireless Encryption	**Cisco Wireless LAN Controller**
VIDEOCONFERENCING	
Model will depend on where the unit is being used. **Room models:** **Polycom HDX7000 –720 Eagle Eye also supports a three way conference without using the bridge.** **Polycom HDX6004 supports bridge conference or single IP to IP conferences.** **Desktop model:** **SCOPIA Desktop is for a single user to interface with one or more other users in a video conference. This model requires a webcam. The Logitech Pro 9000 has been tested. OSCA has an Enterprise license for this software.**	**Minimum:** High definition Frame rate 30 FPS Standards: H.323, H239, H.261, H263, H.264 Camera zoom: 12X Network: TCP/IP based conferencing with Ethernet (minimum 10/100 AES Encryption Picture in Picture (PIP) Recommend a 32” LCD monitor or larger for room models.

DOCUMENT SCANNERS	
Fujitsu 6130 with imprinter option	Resolution: 600 dpi Automatic Document Feeder (ADF) ADF with duplex capability (8.5” x 14”) Connectivity: USB Driver: TWAIN Duty cycle: 2000 pages per day Output: PDF, TIFF, JPEG Imprinter
Fujitsu fi-6670/A with imprinter option	Resolution: 600 dpi Automatic Document Feeder (ADF) ADF with duplex capability (8.5” x 14”) Connectivity: USB Driver: TWAIN Duty cycle: 15000 pages per day Output: PDF, TIFF, JPEG Imprinter
Fujitsu fi-6770/A	Resolution: 600 dpi Flatbed/Automatic Document Feeder (ADF) ADF with duplex capability (8.5” x 14”) Flatbed (11”x 17”) Connectivity: USB Driver: TWAIN Duty cycle: 15000 pages per day Output: PDF, TIFF, JPEG
Document Scanner – low volume **Tested Model: Fujitsu ScanSnap S1500 X** **Does NOT interface with eFiling software.** **Does NOT have TWAIN driver and does NOT support JIS scan button, that places scanned files on DMS.**	Resolution: 600 dpi Automatic Document Feeder (ADF) ADF with duplex capability (8.5” x 14”) Connectivity: USB Driver: Proprietary Duty cycle: 250 pages per day Output: PDF
PORTABLE DIGITAL DEVICES	
Supported Smartphones and Tablets	Judiciary-owned iPhones model 3GS or later running Apple iOS 4 or later Judiciary- owned iPads running Apple iOS 4 or later Judiciary-owned smartphones or tablets running Windows Mobile 6.5 or later
Permitted Smartphones and Tablets for Lotus Notes Traveler Only	Personally-owned iPhones model 3GS or later running Apple iOS 4 or later Personally-owned iPads running Apple iOS 4 or later Personally-owned smartphones or tablets running Windows Mobile 6.5 or later

For Additional information,
contact OSCA at
(573) 522-5577
888-541-4894
or via Lotus Notes at
OSCA Help Desk

Statewide Court Automation
Minimum Personal Computer Requirements
for Courts Conducting Competitive Bid Process

The following are the minimum requirements for personal computers for use with statewide court automation. If a court is not purchasing computers from the prime vendor contract, the following must be specified:

- Intel Core based processor
- Intel based motherboard
- 8GB RAM
- 3 Com 905C PCI or Integrated Intel 10/100/1000 or Integrated Broadcom 10/100/1000 NIC
- DVD - +/- RW DL
- Integrated on board dual monitor support
  or dual head video card for dual monitors
- 19" SVGA Color Monitor (LCD), 1280 x 1024 resolution @ 75hz (23" and Splitview software for split screen)
- 160GB hard drive
- USB standard key keyboard
- USB Microsoft or Logitech Mouse
- DMI 2.0 compliant desktop management software
- Small Form Factor Chassis or Mini Tower Chassis
- **Windows 7 Enterprise 64 bit**
- **Microsoft Office 2010**
- 4 year warranty
- 24/7 toll free telephone support
- All components must be on the Windows Hardware Compatibility list located at www.microsoft.com.

If a computer does not meet these minimum specifications, the Office of State Courts Administrator will not be able to ensure that court automation software will work correctly or that OSCA support will be available. Peripheral devices that have not been provided by OSCA such as wireless mice and/or keyboards, headsets, PDAs etc., will be removed if found to be contributing to the malfunctioning of a workstation or laptop.