



## U.S. House of Representatives Standards for New Purchases of Computer-related Equipment

**Effective October 2018**

A set of criteria established by the Committee on House Administration to ensure technical excellence and quality performance and to eliminate premature obsolescence.

**These are minimum standards for new purchases**

<b>PC STANDARD</b>	
Please note <b>bold</b> indicates a modification has been made	
	<i>Please consider using our <a href="#">Blanket Purchase Agreements</a> when ordering equipment.</i>
CPU	Intel <b>Core I5 7000</b> series or higher or <b>AMD 7<sup>th</sup></b> gen or higher 4 Cores or more
RAM	<b>8GB DDR3 or DDR4</b>
Ports	2 USB <b>v3.0</b> or higher Ports front side recommended 2 USB <b>v3.0</b> or higher Ports backside
Pointing Device	USB pointing device
Hard Disk Size	256GB SSD or SATA drive. SSD ( <b>highly</b> ) recommended, not required
Processor Cache	4MB 6MB L2 Cache
Keyboard	101 key USB Keyboard or Wireless Encrypted Keyboard and/or Mouse
Video Display Adapter	Integrated HD Graphic 256 MB RAM
Video Monitor	1024 x 768 non-interlaced resolution
Network Interface	Gigabit Ethernet (wired or wireless)
Protocol Support	TCP/IP compliant as specified in RFC 1122 and RFC 1123
<b>Operating System</b>	<b>Windows 10 Enterprise 64 bit</b>

## PC LAPTOP STANDARD

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	<i>Please consider using the <a href="#">Blanket Purchase Agreements</a> when ordering equipment.</i>
CPU	Intel Core I5 7000 series or higher or AMD 7 <sup>th</sup> gen or higher 4 Cores or more
Expansion Slots	1 SD memory card reader
RAM	<b>8GB DDR3 or DDR4</b>
Ports	2 USB <b>v3.0</b> Ports
Pointing Device	Stylus, TouchPad or Touchscreen
Battery	6 hours operating time or more
Hard Disk Size	256 GB M.2 SSD or SATA drive. SSD ( <b>highly</b> ) recommended, not required
Video Display	11" color display ( <i>13" Recommended, external HDMI or SVGA port recommended</i> )
Video Adaptor	Integrated HD Graphic 256 MB RAM
Video Monitor	1920x1080 Anti-glare (16:9) or better resolution
Network Interface	IEEE 802.3ac compliant; Gigabit Ethernet ( <i>Bluetooth and 802.11 a/b/g/n, 802.11ac recommended</i> )
Operating System	PCs must come with a license for Windows. <b>New PCs on the House network must run Windows 10.x Enterprise 64 bit</b> *Beginning October of 2018 Office 365/2016 Pro Plus will be the only supported Microsoft Office Suite due to U.S. House licensing agreements.

## PRIMARY FILE/PRINT/DATABASE SERVER STANDARD

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	<p>Member Offices electing to join the House Cloud File Service (HCFS) will not be required to purchase new server hardware.</p> <p>Applications sold by CMS Providers may require hardware with higher capabilities than those outlined herein. Offices are encouraged to consult with their vendor before purchase.</p>
<b>Operating system</b>	<p><b>Windows Server 2008 R2 Standard Edition or greater<sup>1</sup></b>  <b>Windows Server 2012 R2 Standard Edition or greater</b>  <b>Windows Server 2016 R2 Standard (Recommended)</b></p>
<b>Processor</b>	<b>Intel® Xeon® E5 1600 v3 4 Core 2.3GHz</b>
<b>Bus Type</b>	<b>2 PCI Express 3.0 x8 or x16</b>
RAM	8 GB expandable to 32 GB
Ports	<p>1 Serial with 16550 UART (Optional)</p> <p>1 Parallel (Optional)</p> <p>4 USB Ports (6 Recommended if using external hard drive backup systems)</p>
DVD +/- RW Drive	16X speed (If needed)
Data Storage Minimum	100 GB (consult with your vendor and TSR to ensure adequate space for operating systems and server based applications in addition the 100 GB minimum free space for data.)
Hard Disk Speed	10,000 RPM (interface must be compatible with the drive speed)
Keyboard	101 key enhanced (USB) Optional
<b>Video Display Adapter</b>	SVGA with <b>64 MB</b> VRAM and 1024x768x256 color support
Video Monitor	Optional
<b>Network Interface</b>	Gigabit Ethernet; IEEE 802.3 compliant
Protocol Support	TCP/IP compliant as specified in RFC 1122 and RFC 1123
Backup	Must be able to backup all hard disk space. If drives are added later, the backup solution must be upgraded to accommodate the additional drives.
Uninterruptible Power Supply (UPS)	1400 watt (UPS must provide appropriate backup for the system)
Operating system <sup>1</sup>	Windows Server 2008 R2 Standard Edition End of Life 01/14/2020

## NETWORK CAPABLE PRINTER STANDARD

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Please consider using the [Blanket Purchase Agreements](#) when ordering equipment.

Printing Languages

PCL or Postscript

Printing Resolution

600x600 dpi

Networking

Ethernet connectivity option with TCP/IP support

RAM

If purchasing a postscript printer, the requirement is a minimum of 16 MB of RAM

Network Services

SNMPv3; SMBv2 or above

Not Approved  
Manufactures

Xiaomi; Huawei

Hard disks and non-volatile dynamic memory devices are not recommended.  
Recommended Configurations are located on HouseNet>Technology>House Technology Policies

## SUPPLEMENTAL COMPUTER EQUIPMENT STANDARDS

	Please consult with your CAO Technology Support Representative (TSR) to ensure equipment compatibility and appropriateness prior to purchase of any computer related equipment.
Optical Scanner	2400x2400 dpi resolution
Networked Scanners, Digital Senders, or Multifunction Devices (New)	Devices with e-mail and LDAP functionality must allow the entry of a host name for the SMTP Relay and/or the LDAP server.
Printers and copiers	Printers and copiers using Thermal Film Transfer or Dye-Sublimation technologies are not authorized.
Apple Macintosh	Apple Laptop and Desktop computers must meet or exceed to the current minimum specifications offered directly from Apple for iMacs, Mac Mini, MacPro, MacBooks and MacBook Pros.
Televisions/TV cards	<ul style="list-style-type: none"> <li>• Must be able to receive ATSC, Clear QAM and Analog signals (NTSC)</li> <li>• TVs and TV tuner adapters must have a 75 ohm antennae 'F' type connector</li> <li>• "Smart" or internet connected TVs will work with the House provided TV signals, but the embedded browsers, wireless connectivity and entertainment applications and are not supported and may not function properly.</li> </ul>
Other Computer Related Equipment	Members' offices are required to receive approval from a CAO Technical Support Representative (TSR) before purchase.