Instructional Device Hardware Minimum Specifications

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| **Category** | **Enterprise Desktop Solution** | **Enterprise Laptop or Windows Tablet Solution** |
| Processor | X86 or X64 | X86 or X64 |
| Installed Memory | 4 GB (1x4 GB DIMM) | 4 GB (1x4 GB DIMM) |
| Memory Expansion | 16 GB | 8 GB |
| Cache | 2 MB, Integrated L2 Cache | 2 MB, Integrated L2 Cache |
| Slots | 2 PCI/PCI X/PCI Express Slots |  |
| Hard Drive | Internal persistent storage | Internal persistent storage |
| Audio | Combo Audio Out/In or Audio out and microphone | Combo Audio Out/In or Audio out and microphone |
| Video | Integrated shared video | Integrated shared video |
| Graphics Support | Graphics support 1280 x 1024 @ 75Hz |  |
| Ports | VGA graphics, 1 VGA video port | VGA and/or HDMI capable either with or without use of an adapter or "dongle" |
| Ports – Universal Serial Bus (USB) | 4 USB (2.0 and 2 USB 3.0) | 1USB Ports (powered or USB 3.0) |
| CD/Rom | If NO Optical drive is included, vendor should include a statement “Optional, does not come with an optical drive” | If NO Optical drive is included, vendor should include a statement “Optional, does not come with an optical drive” |
| Display | N/A | 1366 x 768 |
| Battery | N/A | 4.5-hour usage without plug in |
| Input Device (Mouse) | 101 Key Keyboard – USB |  |
| Input Device (Keyboard) | 2 button Optical Mouse |  |
| Operating System | Licensed for latest Apple or  Windows OS | Licensed for latest Apple or  Windows OS |
| Drivers | Shall have all standard drivers  installed on each unit | Shall have all standard drivers installed on each unit |
| Driver – Network Interface | Include, at a minimum, network interface, hard disk, video, etc. | Include, at a minimum, network interface, hard disk, video, etc. |
| Network | Configured with one (1) Ethernet network adapter (10/100/1000) | Configured Ethernet network adapter (10/100/1000) or Internal wireless (802.11 b/g/n) |
| Energy Star Certified | YES | YES |
| EPEAT Certified | YES | YES |
| Warranty | 1 Year with a minimum 3-year option | 1 Year with a minimum 3-year option |

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