OpenLAB CDS v2.2 Workstation
Site Preparation Checklist

Thank you for purchasing an Agilent instrument. To get you started and to assure a successful and timely installation of your Agilent software, please refer to this specification or set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an information guide and checklist prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

Customer Responsibilities

Make sure your site meets the following prior specifications before the installation date. For details, see specific sections within this checklist, including:

- The computing environment and the necessary space is made available
- The number & location of electrical outlets for your computer systems and peripherals are planned
- That your site meets the software, hardware and networking specifications below
- Locate your sales order information, software authorization codes and/or software licenses/certificates
- The necessary software media, disks etc are available including upgrade/update disks
- That a suitable backup solution is identified for your software
- Availability of a system/network administrator as needed to connect to your intranet
- Please consult Other Requirements section below for other product-specific information.
- Complete Final Check: Software Site Preparation Tool. Please go to Setup\Tools\SitePrep on OpenLAB CDS v2.2 Install media, right click on SitePrepStartExe.exe to complete the final check.
  This easy-to-use tool verifies that your PC meets the necessary hardware and software pre-requisites before installing the Agilent software.

If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.

Important Customer Information

1. If you have questions or problems in providing anything described as a Customer Responsibility above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
3. Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.
## Software Specifications for Workstations

<table>
<thead>
<tr>
<th>Specification Description</th>
<th>Supported</th>
</tr>
</thead>
</table>
| Operating system type(s), version | • Windows 7 SP1, Enterprise or Professional, 64 bit  
• Windows 8.1, Enterprise or Professional, 64 bit  
• Windows 10, Enterprise or Professional, 64 bit |
| O/S .NET & other add-ons | • .NET 3.5 SP1 (*must be enabled on Windows 8.1 and Windows 10*)  
• .NET 4.5.1 or above (*installed by OpenLAB CDS v2.2 Installer*) |
| Localized OpenLAB CDS can run on localized OS | • English  
• Western European Language (*CDS will always appear in English*); Which language:  
• Chinese (*Non-localized instrument drivers are supported and will always appear in English*)  
• Japanese (*Non-localized instrument drivers are supported and will always appear in English*)  
• Brazilian Portuguese (*Non-localized instrument drivers are supported and will always appear in English*) |
| Default font | • Chinese: Microsoft YaHei  
• Japanese: Meiryo UI  
• Brazilian Portuguese: Calibri |
| Account settings/privileges | Local administrator privilege required for installation and configuration |
| Web Browser | Set Internet Explorer as default program on Windows 10. OpenLAB Help and Learning does not support Edge. |
| Antivirus software | Highly recommended. The application was tested with Symantec Endpoint Protection, Microsoft Security Essentials, Trend Micro and McAfee. |
| Adobe Reader | Adobe Reader XI or above |
| Adobe Flash Player | Adobe Flash Player 17 or above |

## Computer Hardware Specifications for Workstations

### Special Notes
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The OpenLAB CDS Workstation is available either with storage in the local file system (OpenLAB CDS Workstation software) or in a built-in Content Management database (OpenLAB CDS Workstation Plus software). A workstation with Content Management (OpenLAB CDS Workstation Plus) requires higher performing hardware.

Recommended hardware specifications:

<table>
<thead>
<tr>
<th>Specification Description</th>
<th>Workstation</th>
<th>Workstation with Content Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor type &amp; speed</td>
<td>Intel® Xeon E3 (3.2 GHz, 8 MB SmartCache, 4 Core, Hyper Threading) Intel® vPro TM Technology, Intel® HD Graphics, or equivalent</td>
<td>Intel® Xeon® E5-1620 v3 (3.5 GHz, 10 MB SmartCache, 4 Core), or equivalent</td>
</tr>
<tr>
<td>Physical Memory (RAM)</td>
<td>8 GB</td>
<td>16 GB</td>
</tr>
<tr>
<td>Hard Disk</td>
<td>1 x 500 GB SATA 7200 RPM</td>
<td>2 x 500 GB or 1 TB SATA 7200 RPM (See note 1)</td>
</tr>
<tr>
<td>Graphic Resolution</td>
<td>1600 x 900</td>
<td></td>
</tr>
<tr>
<td>RS-232 Port</td>
<td>1 serial port (certain instruments require a serial port)</td>
<td></td>
</tr>
<tr>
<td>USB Port</td>
<td>1 USB port required for installation</td>
<td></td>
</tr>
<tr>
<td>LAN Card</td>
<td>Integrated Intel® I217LM PCIe GbE Controller</td>
<td>Integrated Intel® I217LM PCIe GbE Controller Intel® Ethernet I210-T1 PCIe as 2nd NIC (See note 2)</td>
</tr>
</tbody>
</table>

Note 1: If the computer has a disc array controller we recommend 2 x 1 TB in RAID1.
Note 2: A second LAN interface is recommended to isolate the instrument's data traffic.

Networking Specifications

Special Notes

When using LAN communications to connect workstation to an instrument, use one of these methods:
- Connect via an isolated switch using standard CAT-5 network cabling.
- LAN communication hardware should be 100/1000 mbps (or higher) speed capable.
- NIC teaming (See note 1): LAN cards should not be teamed on workstations.
- LAN communication must be on the same subnet as instruments, and preferably on the same segment.
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Note 1: Network Interface Card (NIC) teaming is also known as Load Balancing and Failover (LBFO)

<table>
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<tr>
<th>Specification Description</th>
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</tr>
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</table>
| Network type, bandwidth, speed, protocol etc | Internet Protocol Version 4 (TCP/IPv4) only  
  Internet Protocol Version 6 (TCP/IPv6) is not supported |
| IP Address                | Static or DHCP Reservation                           |

Other Requirements

1. Important web links
   Microsoft Hardware Compatibility Lists
   http://www.microsoft.com/whdc/hcl/default.mspx

   Links to specific O/S fixes, updates needed
   http://support.microsoft.com/

2. For detailed supported hardware, software, instruments information, refer to
   OpenLABCDSRequirement.pdf under Setup\Docs on OpenLAB CDS v2.2 Install media.
Important Customer Web Links

- For additional information about our solutions, please visit our web site at http://www.agilent.com/home
- OpenLAB CDS Software Updates - https://agilent.subscribenet.com (for any questions related to your account, contact subscribenet_support@agilent.com)