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.
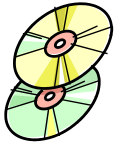
Customer Responsibilities

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.

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Software Specifications for Clients

Specification Description	Supported
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 - Windows Server 2012 R2
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	Domain user with 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

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Computer Hardware Specifications for Clients

Special Notes

Recommended hardware specifications:

Specification Description	Client
Processor type & speed	Intel® Xeon E3 (3.2 GHz, 8 MB Cache, 4 Core, Hyper Threading) Intel® vPro TM Technology, Intel® HD Graphics or equivalent
Physical Memory (RAM)	8 GB
Hard Disk	7200 RPM SATA drives, 500 GB
Graphic Resolution	1600 x 1200
USB Port	1 USB port required for installation
LAN Card	Integrated Intel® I217LM PCIe GbE Controller or equivalent
Remote Management	Intel® vPro™ with Intel® AMT 9.0

Networking Specifications

Special Notes

Domain Requirements: Domains support the flow of information and user access rights across machines in the network. This means that all machines (AICs and Clients) and instruments within the networked OpenLAB CDS system must reside within the same domain or have the appropriate cross domain trusts to allow name based communications between all components in the system. In the case of a Client installation, the Client must always be able to communicate with domain components to function as expected.

The domain name server (DNS) must be able to resolve the IPv4 address of the clients. Any unresolved clients will disrupt the functionality of OpenLAB resulting in errors or delays. IPv6 is not supported and must be deactivated.

Specification Description	Supported
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

Virtualization

OpenLAB CDS has been tested with the following virtualization software. The resources requirements are equal to those of the physical machines. Windows Server 2012 R2 requires domain environment.

- Citrix XenApp 7.8 with Windows 2012 Server

  Note: Be aware of a potential conflict when using an All-in-one Citrix XenApp environment: Both Citrix and OpenLAB CDS use port 27000 for the License Manager Daemon.

- VMware vSphere 5.x

- Remote Desktop Services with Windows 2012 Server R2

- Hyper-V with Windows 2012 Server R2

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

- ❑ Need to get information on your product? http://www.agilent.com/en-us/products/software-informatics/chromatography-data-systems/openlab-cds

- ❑ Need to know more? Customer Education – http://www.agilent.com/crosslab/university/

- ❑ Need technical support, FAQs? – http://www.agilent.com/en-us/support/landing/software-informatics/openlab-software-suite?N=900000449

- ❑ Need supplies? – http://www.agilent.com/en-us/products/lab-supplies/chromatography-spectroscopy

- ❑ OpenLAB CDS Software Updates - https://agilent.subscribenet.com (for any questions related to your accunt, contact subscribenet_support@agilent.com)

- ❑ OpenLAB CDS Software Status Bulletin (SSB) - http://www.agilent.com/en-us/support/software-informatics/openlab-software-suite/openlab-chromatography-data-system-(cds)/m84xxSSB