



Thank you for purchasing Agilent software.

Correct site preparation and evaluation is the key first step in assuring that the installation of your Agilent software product is successful and that your instruments and software systems operate reliably over an extended lifetime. The information provided in this document can be used as an **information guide AND checklist** that outlines the computing requirements for your site. It may also recommend tools where needed, that will help you get started.

## **Customer Responsibilities**

Make sure your site meets the following specifications prior the installation date.

- Your site meets the software, hardware and networking specifications as outlined below
- Computing environment and the necessary space is made available
- The number and location of electrical outlets and network ports for your computer systems, peripherals and instruments are planned.
- Locate your sales order information such as software authorization codes, software licenses or software certificates.
- The necessary software media, disks etc. are available including upgrade or update disks
- Ensure there is a backup and recovery plan for your system.
- A system or network administrator is available as needed to connect to your intranet.

### **Complete Final Check: Software Site Preparation Tool.**

Please visit the following Agilent website to download the Software Installation Site Preparation Tool:

<http://www.chem.agilent.com/en-US/Technical-Support/Software-Informatics/Utilities/Pages/SWSitePrepTool.aspx>

This easy-to-use tool verifies that your PC meets the necessary hardware and software pre-requisites before installing the Agilent software.

- For all networked installations: Run the Network Assessment Tool** to determine if your network is ready for the OpenLAB CDS installation.

The Network Assessment Tool is a diagnostic program that can be run as a service on networked Windows computers. Agilent service personnel with the assistance of the customer run this program on computers used by OpenLAB CDS. Your Professional Services Engineer will send the Network Assessment Tool by e-mail with installation instructions. Once it is installed, the Professional Services Engineer will schedule a WebEx to run and review the assessment. Please see the Agilent Assessment Tool Data Sheet for further information.

### **HINT**

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

- ❑ If you have questions or problems in providing anything described as **Customer Responsibilities** 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.
- ❑ 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.
- ❑ 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.
- ❑ If applicable, the Network Assessment Tool can be used to verify the network environment.

## AIC – Agilent Instrument Controller

### Software Specifications:

Specification Description	Support Statement
Operating System (OS):	Windows Server 2008 R2 SP1 (64-bit) Standard or Enterprise Ed. Windows Server 2012 R2 Standard or Enterprise Ed.
The following localized versions of Windows operating systems may be used:	<ul style="list-style-type: none"> <li>• English</li> <li>• Chinese (Non-localized instrument drivers are supported and will always appear in English)</li> <li>• Japanese (Non-localized instrument drivers are supported and will always appear in English)</li> </ul>
Connection to the AIC	The ChemStation AIC uses "instrument accounts" to establish the connection between the CDS Client computer and the AIC. Eleven accounts are created during a default installation. Domain accounts can also be used if needed.
OS .NET & other Add-ins	<ul style="list-style-type: none"> <li>• .NET 4.5.2</li> </ul> <p><b>Note:</b> Installed by master installer launch if needed. With Windows 8.1 or Windows Server 2012 R2, this may require a system reboot. To avoid the system reboot during installation, install .NET 4.5.2 and the language pack corresponding to your operating system in advance.</p> <ul style="list-style-type: none"> <li>• .NET 3.51 must be enabled on systems running on Microsoft Windows 2012 R2</li> <li>• Windows Installer 4.5 (Installed automatically by master installer if needed)</li> <li>• Adobe Flash Player (Required when connected to OpenLAB Data Store) See the Networked and Distributed System Installation and Configuration Guide for installation instructions specific to your Operating System.</li> </ul>
Driver	NTFS Files system



## OpenLAB CDS Distributed ChemStation Ed. C.01.07 SR2 AIC, CDS Clients and Instruments Site Preparation Checklist

Specification Description	Support Statement
Network	TCP/IP Protocol <b>version 4</b> only; TCPv6 addressing is not supported by OpenLAB CDS, Client for Microsoft Networks, File and Printer Sharing for Microsoft Networks.  For proper operation of a Networked OpenLAB CDS system in a domain, the domain controllers must have a minimum of Microsoft Windows Server 2003 SP2.  See <i>OpenLAB CDS Requirements</i> guide for detailed specifications
Privileges	Local Administrator permissions required for software installation and configuration
IP Address	Static or DHCP Reservation
Printing	Check that a valid Printer Driver is installed on the system and a Test Page prints successfully
Virtualization	VMWARE vSphere 4.x or 5.x servers are supported for virtualization of AICs only if controlling LAN based instruments. The virtual machine must meet the minimum hardware requirements defined below.  For more information, see TechNote 5991-3637EN, <i>Virtualizing Agilent OpenLAB CDS ChemStation Edition with VMware</i> .
Citrix	Not supported
Terminal Services	Supported
Antivirus Software	Highly recommended.  The application is tested with Symantec Endpoint Protection 12.x and with Microsoft Security Essentials.

### AIC – Agilent Instrument Controller

#### Hardware Specifications:

**NOTE**

For the OpenLAB CDS ChemStation Edition AIC, Agilent recommends a dedicated server to avoid conflicts with other applications and optimize performance.

Specification Description	Minimum
Processor type & speed	Intel® Xeon® 5500 series 2x Quad Core CPUs 2.26 GHz
Memory	12 GB
Hard Disk Drive	2 x 250 GB / 7200rpm  <b>Note:</b> Factory bundles will have 2 drives of 500GB / 7200rpm
Optical Device Drive	DVD-ROM
Monitor/Graphics Adapter	17" 1280x1024 (SXGA) - 19" 1440x900 recommended
Pointing devices	MS windows compatible mouse
Network Adapter	100/1000 Mbit LAN adapter



Specification Description	Minimum
LAN Instrument Communication	Must be on <b>same subnet</b> as instruments  A second LAN interface is recommended to isolate the instrument's data traffic.
Instrument Control	10 instruments maximum / AIC  <b>Note:</b> <ul style="list-style-type: none"> <li>• 3D Detector Systems count as 2 instruments</li> <li>• One Single Quad LC/MS or CE/MS instrument counts as 4 instruments</li> </ul>

**CDS Client Software Specifications:**

Specification Description	Support Statement
Operating System (OS):	<ul style="list-style-type: none"> <li>• Windows 7 SP1 (32-bit or 64-bit, Professional or Enterprise)</li> <li>• Windows 8.1 (32-bit or 64-bit, Professional or Enterprise)</li> </ul>
The following localized versions of Windows operating systems may be used:	<ul style="list-style-type: none"> <li>• English</li> <li>• Western European language versions (CDS software will always appear in English). Which language: _____</li> <li>• Chinese (Non-localized instrument drivers are supported and will always appear in English)</li> <li>• Japanese (Non-localized instrument drivers are supported and will always appear in English)</li> </ul>
OS .NET & other Add-ins:	<ul style="list-style-type: none"> <li>• .NET 4.5.2</li> </ul> <p><b>Note:</b> Installed by master installer launch if needed. With Windows 8.1 or Windows Server 2012 R2, this may require a system reboot. To avoid the system reboot during installation, install .NET 4.5.2 in advance.</p> <ul style="list-style-type: none"> <li>• .NET 3.51 must be enabled on systems running on Microsoft Windows 8.1</li> <li>• Windows Installer 4.5 (Installed automatically by master installer if needed)</li> <li>• Adobe Flash Player (Required when connected to OpenLAB Data Store) See the Networked and Distributed System Installation and Configuration Guide for installation instructions specific to your Operating System.</li> </ul>
Drives:	NTFS Files system
Network:	TCP/IP Protocol <b>version 4</b> only; TCPv6 addressing is not supported by OpenLAB CDS, Client for Microsoft Networks, File and Printer Sharing for Microsoft Networks.  For proper operation of a Networked OpenLAB CDS system in a domain, the domain controllers must have a minimum of Microsoft Windows Server 2003 SP2.  See <i>OpenLAB CDS Requirements</i> guide for detailed specifications
Privileges:	Local Administrator permissions required for software installation and configuration
Printing:	Check that a valid Printer Driver is installed on the system and a Test Page prints successfully
IP Address:	Static or DHCP Reservation
Virtualization:	Supported, but not tested



OpenLAB CDS Distributed ChemStation Ed. C.01.07 SR2  
AIC, CDS Clients and Instruments  
**Site Preparation Checklist**

Specification Description	Support Statement
Citrix:	Not Supported
Terminal Services:	Not Supported
Antivirus Software	Highly recommended. The application is tested with Symantec Endpoint Protection 12.x and with Microsoft Security Essentials.
Adobe Reader	Adobe Reader XI or above

**CDS Client****Hardware Specifications**

	Minimum
Processor type & speed	2 GHz Dual core
Memory	4 GB (4096 MB)
Hard Disk Drive	160 GB Hard Drive
Optical Device Drive	DVD-ROM
Monitor/Graphics Adapter	17" 1280x1024 (SXGA) - 19" 1440x900 recommended
Printing devices:	Local/Network Printer
Pointing devices	MS windows compatible mouse
Network Adapter	100/1000 Mbit LAN Adapter
Network Instrument Communication:	No direct communication with instrument

**Analytical Instruments Specifications**

Specification Description	Minimum
LAN Interface:	G1369A/B/C LAN Interface Card - min FW A.01.10 / A.01.01 / B.06.40
Local Area Network (LAN):	It is recommended to have instruments, workstations and AICs installed in an isolated network or on a separate vLAN. A second network interface on the AICs can be used to isolate the instrument traffic.
GPIB, National Instruments:	Not supported
IP Address Assignment:	Static or DHCP Reservation
Instrument Firmware:	Instruments must meet the minimum Firmware requirements as specified in the <i>Supported Instruments and Firmware Guide</i> .



## Firmware Requirements

Review the document *OpenLAB CDS Supported Instruments and Firmware Guide* (click "OpenLAB CDS Instrument Compatibility" in the **OpenLAB CDS Master Installer > Resources**). Additional firmware upgrades may be needed.

	Instrument	Module	Supported Firmware	Actual Firmware	Update needed Y/N

## Other Requirements

### Agilent Customer Web Links

- For additional information about our solutions, please visit our web site at [www.chem.agilent.com](http://www.chem.agilent.com)
- How to get information on your product: Literature Library - [www.agilent.com/chem/library](http://www.agilent.com/chem/library)
- Need to know more? - [www.agilent.com/chem/education](http://www.agilent.com/chem/education)
- Need technical support, FAQs? - [www.agilent.com/chem/techsupp](http://www.agilent.com/chem/techsupp)
- Need supplies? - [www.agilent.com/chem/supplies](http://www.agilent.com/chem/supplies)
- Software Status bulletins, patches, drivers, software utilities - <http://www.chem.agilent.com/en-US/Technical-Support/Software-Informatics/Pages/default.aspx>
- OpenLAB CDS Software Updates - [agilent.subscribenet.com](http://agilent.subscribenet.com)

### Other 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/>