Thank you for purchasing Agilent software. 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 for your site.

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

  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 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.

2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to rearrange 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.
AIC – Agilent Instrument Controller (OLCDS-EZChrom)

Software Specifications:

- Operating System (OS):
  - Windows 2008 R2 SP1 (64-bit) Standard Edition
  - The following localized versions of Windows operating systems may be used:
    - English
    - Western European language versions (CDS software 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)
- Connect the AIC to the same domain as the OLSS Server (name resolution required for networked systems)
- OS .NET & other Add-ins:
  - .NET 3.5 SP1 (Installed by master installer launch if needed)
  - Windows Installer 4.5 (Installed automatically by master installer if needed)
- Drives: NTFS Files system
- Network: TCP/IP Protocol version 4 only; TCPv6 addressing is not supported by OpenLAB CDS, Client for Microsoft Networks, File and Printer Sharing for Microsoft Networks. Domain controller hosting the domain connected to by networked system must have a Windows 2003 server operating system or newer. Windows 2000 and previous operating systems will not allow proper operation of a networked CDS system.
- 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, DHCP or DHCP Reservation
- Virtualization: VMWARE ESX 4.x servers are supported for virtualization of AICs only if controlling LAN based instruments. The virtual machine must meet the minimum hardware requirements defined above.
- Citrix: Not currently supported
- Terminal Services: Not currently supported
- Antivirus Software is strongly recommended
- Adobe reader is strongly recommended

Hardware Specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Minimum</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor type &amp; speed</td>
<td>2 GHz</td>
<td>3 GHz Dual core</td>
</tr>
<tr>
<td>Memory</td>
<td>2GB</td>
<td>4 GB (32-bit) 6 GB (64-bit)</td>
</tr>
<tr>
<td>Hard Disk Drive:</td>
<td>80 GB Hard Drive – (15 GB Free)</td>
<td>NA</td>
</tr>
<tr>
<td>Monitor/Graphics Adapter:</td>
<td>SVGA or better - 1024x768 min. res.</td>
<td>NA</td>
</tr>
<tr>
<td>Pointing devices:</td>
<td>MS windows compatible Mouse</td>
<td>NA</td>
</tr>
<tr>
<td>Network Adapter:</td>
<td>(2x) 100/1000 NIC Cards</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>NIC#1: Communication to OLSS Server</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>NIC#2: Communication to Instruments</td>
<td>NA</td>
</tr>
</tbody>
</table>
CDS Client or Networked Workstation (OLCDS-EZChrom)

Software Specifications:

- Operating System (OS):
  - Windows XP Professional SP3 (32-bit only)
  - Windows Vista Business SP2 (32-bit only)
  - Windows 7 SP1 (32-bit or 64-bit)
  - Windows Server 2003 R2 SP2 (as a Citrix or terminal server host)
  - Windows Server 2008 R2 (64-bit) (as a Citrix or terminal server host)

- The following localized versions of Windows operating systems may be used:
  - English
  - Western European language versions (CDS software 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)

- Connect the client to the same domain as the OLSS Server (name resolution required for networked systems)

- OS .NET & other Add-ins:
  - .NET 3.5 SP1 (Installed by master installer launch if needed)
  - Windows Installer 4.5 (Installed automatically by master installer if needed)

- Drives: NTFS Files system

- Network: TCP/IP Protocol version 4 only; TCPv6 addressing is not supported by OpenLAB CDS, Client for Microsoft Networks, File and Printer Sharing for Microsoft Networks. Domain controller hosting the domain connected to by networked system must have a Windows 2003 server operating system or newer. Windows 2000 and previous operating systems will not allow proper operation of a networked CDS system.

  ***See OpenLAB CDS Networking 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, DHCP or DHCP Reservation

- Virtualization: VMWare ESX 4.x servers are supported for virtualization of clients. The virtual machine must meet the minimum hardware requirements defined above.

- Citrix: OLCDS (EZChrom) CDS Clients are supported on Citrix XenApp 5.X and 6.X.

- Terminal Services: OLCDS (EZChrom) CDS Clients are supported on Windows Terminal Servers. Ensure that appropriate terminal service licenses are available for all planned clients.

- Antivirus Software is strongly recommended

- Adobe reader is strongly recommended
## Site Preparation Checklist

### Hardware Specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
<th>Minimum</th>
<th>Recommended</th>
</tr>
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<tbody>
<tr>
<td>Processor type &amp; speed</td>
<td></td>
<td>2 GHz</td>
<td>3 GHz Dual core</td>
</tr>
<tr>
<td>Memory</td>
<td></td>
<td>2GB (2048 MB)</td>
<td>4 GB (32-bit)</td>
</tr>
<tr>
<td>Hard Disk Drive:</td>
<td></td>
<td>80 GB Hard Drive – (40 GB Free)</td>
<td>NA</td>
</tr>
<tr>
<td>Monitor/Graphics Adapter:</td>
<td></td>
<td>SVGA or better - 1024x768 min. res.</td>
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<td>MS windows compatible Mouse</td>
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<tr>
<td>Network Adapter:</td>
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<td>100/1000 LAN Adapter</td>
<td>NA</td>
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</tbody>
</table>

### Analytical Instruments Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN Interface:</td>
<td>G1369A/B/C  LAN Interface Card</td>
<td>– Min FW C.03.00 / B.01.01 / B.06.40 005, respectively</td>
</tr>
<tr>
<td>Local Area Network (LAN):</td>
<td>Instruments/Workstations/AIC’s should be installed in: Isolated or V-LAN Instruments must be put on the same subnet as AIC’s</td>
<td></td>
</tr>
<tr>
<td>GPIB, HPIB:</td>
<td>Not Supported</td>
<td></td>
</tr>
<tr>
<td>IP Address Assignment:</td>
<td>Static or DHCP Reservation</td>
<td></td>
</tr>
<tr>
<td>Instrument Firmware:</td>
<td>Instruments must meet the minimum Firmware requirements as specified in the Minimum Firmware Requirements document.</td>
<td></td>
</tr>
</tbody>
</table>
Site Preparation Checklist

Firmware Requirements
Review the document ‘CDS Supported Instruments and Firmware”. Additional firmware upgrades may be needed.

<table>
<thead>
<tr>
<th>AIC</th>
<th>Instrument</th>
<th>Module</th>
<th>Supported Firmware</th>
<th>Actual firmware</th>
<th>Update needed Y/N</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

Other Requirements

1. Important web links

   Microsoft Hardware Compatibility Lists

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

   OpenLAB CDS Software Updates
   [https://agilent.subscribenet.com/](https://agilent.subscribenet.com/)

2. Agilent OpenLAB CDS supports the use of a central licensing server for the distribution and tracking of license entitlements. The following software is supported for hosting central licensing services:
   - Flex-Net Publisher v. 11.X

This software is installed with the installation of a shared services server and a single server may be used to host licenses for multiple systems in the same network domain.

Other Important Customer Web Links

- Need to know more? - [www.agilent.com/chem/education](http://www.agilent.com/chem/education)