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 requirements for your equipment.

**Customer Responsibilities**

Ensure that your site meets the following 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 and software licenses.
- The necessary software media are available.
- That a suitable backup solution is identified for your 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.
- Please consult "Other Requirements" section below for other product-specific information.
- Availability of a system/network administrator as needed to connect to your intranet.

Please rename the Agilent bundle laptop G2953CA, add it to your domain and setup user profiles upfront of Agilent services. Do not install any third-party software upfront of the installation service.

- Review the Software Status Bulletin (SSB) about known issues with the software and connect with your IT department: [https://www.agilent.com/cs/library/support/Patches/SSBs/G2946CA-G2949CA.html](https://www.agilent.com/cs/library/support/Patches/SSBs/G2946CA-G2949CA.html)

**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 or partner as soon as possible to re-arrange any services that have been purchased.

3. Other optional services such as additional training, qualification (IQ/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, Clients, and Servers

Special Notes
- This software re-uses the authentication scheme of the Windows operating system (UAC), such that the identity of any user authorized to use the Security Pack must be known to the operating system.
- Refer to the IT Site Preparation Manual (D0000809) online for more details. This software requires a non-human user profile with local administrative permissions (often called "generic 2100System user").
- This software is recommended to be operated offline or in a closed network environment.
- **Note:** If users from the network/domain shall operate the Security Pack, the "generic 2100System" profile must be a normal domain user with "built-in" administrative rights on the local PC.

<table>
<thead>
<tr>
<th>Specification Description</th>
<th>Minimum</th>
<th>Recommended (if applicable)</th>
<th>Comments (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system type(s), versions</td>
<td>Windows 10</td>
<td>64-bit version</td>
<td>n/a</td>
</tr>
<tr>
<td>O/S .NET &amp; other add-ons</td>
<td>Microsoft .NET Framework 3.5</td>
<td>n/a</td>
<td>Mandatory</td>
</tr>
<tr>
<td>Language settings/compatibility</td>
<td>English (US)</td>
<td>English (US)</td>
<td>Other languages can be added to the OS.</td>
</tr>
<tr>
<td>Regional settings/compatibility</td>
<td>English (US)</td>
<td>English (US)</td>
<td>Needs to be set for the &quot;2100System&quot; account that is defined during setup.</td>
</tr>
<tr>
<td>Account settings/privileges</td>
<td>&quot;2100System&quot; account requires local administrative privileges as &quot;Built-in&quot; Administrator</td>
<td>n/a</td>
<td>If end-user accounts are setup within a domain, the &quot;2100System&quot; user needs to belong to the same domain but still requires local administrative privileges. Refer to the IT Site Preparation Manual (D0000809) online for more details.</td>
</tr>
<tr>
<td>Specific drivers</td>
<td>n/a</td>
<td>FTDI chipset drivers CDM21228</td>
<td>Only if USB/serial adapter cable (5188-8031) is being used.</td>
</tr>
<tr>
<td>MSXML Version 4</td>
<td>MSXML 4</td>
<td>n/a</td>
<td>MSXML 4 is mandatory for version B.02.10 or lower.</td>
</tr>
</tbody>
</table>
Computer Hardware Specifications for Workstations, Clients, and Servers

Special Notes
1. Agilent 2100 Bioanalyzer bundle laptop (G2953CA) "HP ProBook 650 G5" must be used.
2. High resolution display settings can cause artifacts when operating the 2100 Expert software.
3. Windows display zoom can cause artifacts and should be set to 100%.

<table>
<thead>
<tr>
<th>Specification Description</th>
<th>Minimum</th>
<th>Recommended (if applicable)</th>
<th>Comments (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor type &amp; speed</td>
<td>Intel® i5-6300U or higher</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB</td>
<td>8 GB</td>
<td>n/a</td>
</tr>
<tr>
<td>Internal Storage/devices/media</td>
<td>20 GB free disk space</td>
<td>100 GB</td>
<td>Space for data storage not included</td>
</tr>
<tr>
<td>Printing devices</td>
<td>n/a</td>
<td>n/a</td>
<td>A default printer needs to be set for the &quot;2100System&quot; user account. This can be a generic XPS or PDF printer.</td>
</tr>
<tr>
<td>Display devices</td>
<td>1280 x 1024 pixels</td>
<td>Screen resolution must not exceed 1920x1024 pixels</td>
<td>Scaling above 100% can cause artifacts.</td>
</tr>
</tbody>
</table>

Networking Specifications

Special Notes
1. It is recommended to operate this software offline or in a closed and separated network.
2. In case users must logon to the software with domain profiles, a dedicated software user profile in the same domain is required and must belong to the "Built-in" administrator group on the PC attached to the instrument.
   - Regional settings must be set to English (US).
   - Set a default printer for this user profile. This can be a virtual PDF or XPS printer.
   - Password should not expire.
   - Password must not be changed on next user logon.
   - Must be a non-human profile, not to be used by any end-user of the 2100 Bioanalyzer system.
Other Requirements

❑ Agilent only supports the Security Pack on 2100 Bioanalyzer bundle laptop G2953CA (HP ProBook 650 G5). Please ensure this PC is available for installation and prepared with help of your IT department.

Preparation refers to changing the PC name, potential connection to your domain and setup of user profiles as required. The PC warranty of the original manufacturer (Hewlett-Packard) is transferred from Agilent to your company upon purchase. Do not hesitate to contact Agilent or partner for assistance with the PC upfront of your installation service.

❑ Please contact your IT department to request setup of local user accounts for the demonstration of software functions (they can be removed after the demonstration by Agilent).
  ❑ 2100admini (for the 2100 Administrator); Password: 2100admini
  ❑ 2100advanced (for the 2100 Advanced Operator); Password: 2100advanced
  ❑ 2100standard (for the 2100 Standard Operator); Password: 2100standard
  ❑ 2100validation (for the 2100 Validation Operator); Password: 2100validation

❑ As part of the optional Agilent software operational qualification (OQ) service for this software G2949CA, the engineer will require the following local Windows user accounts. These users are also named as such in your qualification report.
  ❑ OQADMIN (no administrative permissions required)
  ❑ OQUSER (no administrative permissions required)

❑ Review the Software Status Bulletin (SSB) about known issues with the software and connect with your IT department to discuss known vulnerabilities.
  https://www.agilent.com/cs/library/support/Patches/SSBs/G2946CA-G2949CA.html

Group policy settings:
❑ The “Administrators” group must not be listed in the security settings below:
  • Deny access to this computer from the network.
  • Deny access to this computer from the network.
  • Deny log on as a batch job.
  • Deny log on as a service.
Other known issues as stated in the software "Readme" file:

1. **Screen Savers**
   Screen savers should not be used together with Agilent 2100 Bioanalyzer - 2100 Expert Software. Screen savers can cause undue loading of the CPU that may result in the loss of data from the instrument during data collection periods.

2. **Advanced Power Management (APM, ACPI)**
   Advanced power management features of the PC BIOS must be disabled for systems that are connected to the Agilent 2100 Bioanalyzer. See the Installation Manual of your PC for more details.
   Any Energy Star compliant PC should have the Energy Save features disabled to prevent the loss of data during data collection periods. Problems may also be exhibited by I/O error with the instruments. I/O errors will result in the loss of data. They can be found in the system logbook.

3. **Large Fonts**
   If your display is setup to display information using large fonts some of the information on the screen may be hidden or obscured. Please use small fonts to make sure all information is properly displayed.

**Important Customer Web Links**

- For additional information about our solutions, please visit our web site at: [http://www.agilent.com/genomics/Bioanalyzer](http://www.agilent.com/genomics/Bioanalyzer)
- Download our "Support Tool Box" to learn more about operating your 2100 Bioanalyzer from: [www.agilent.com/genomics/bioanalyzer-toolbox](http://www.agilent.com/genomics/bioanalyzer-toolbox)
- Known issues with the software are published online: [https://www.agilent.com/cs/library/support/Patches/SSBs/G2946CA-G2949CA.html](https://www.agilent.com/cs/library/support/Patches/SSBs/G2946CA-G2949CA.html)
- If you require general support for your Microsoft operating system: [http://support.microsoft.com/](http://support.microsoft.com/)