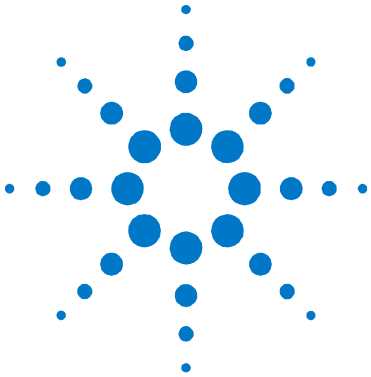


Agilent G2721AA/G2733AA

Spectrum Mill MS Proteomics Workbench

Site Preparation Guide



Agilent Technologies

Notices

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Safety Notices

CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

WARNING

A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.

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1 Introduction

This document is for the Agilent Field Service Engineer (FSE) to verify that the customer's server and client PCs are properly configured for the Spectrum Mill rev. B.04.00 software installation. The customer PCs must meet the minimum specifications, as outlined below, before the Agilent FSE arrives on site to do the software installation. As a result of carrying out the requirements of this checklist, the time of the FSE will be better utilized for the Installation and Familiarization of the G2721AA Spectrum Mill software.

The installation requirements for the customer are detailed in the Installation Guide (G2721-90038), which the customer should have and follow before the Agilent Field Service Engineer arrives for the Spectrum Mill software installation.

Therefore, the Spectrum Mill Installation Guide should be reviewed for details involving installation to ensure any details involved are not omitted.

2 Hardware Configuration

There are two Agilent-recommended configurations:

High-end PC

Order the G2721AA bundle from Agilent Technologies, Inc.:

- Hi-end Workstation system
- LCD Monitor 1280X1024

Low-end PC

Order the G2733AA bundle from Agilent Technologies, Inc.:

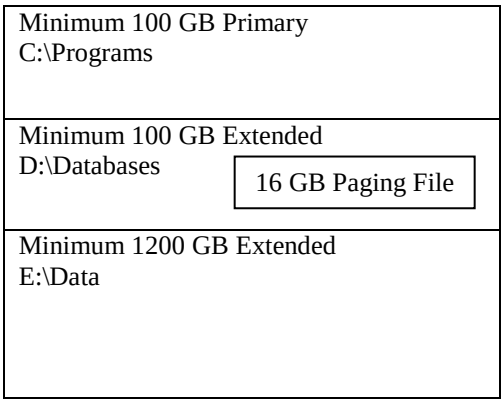
- Low-end Workstation system.
- LCD Monitor 1280 x 1024

Installed? Y N N/A

NOTE It is the responsibility of the customer to establish any required network communication between Client and Server PCs. Only the TCP/IP network protocol, configured with the appropriate Domain Name Service, is supported.

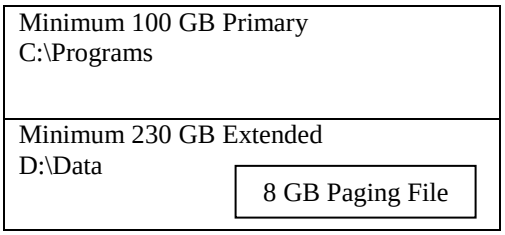
Communication established? Y N N/A

The G2721AA Spectrum Mill is only supported on a hard drive of at least 120GB. The High-end PC is recommended to be formatted as follows:



The E:\ partition is a minimum of 100 GB for a 120GB drive. If the hard drive is greater than 120 GB, the partition size for E: should be greater. Volume labels are optional, but “Programs,” “Database,” and “Data,” are recommended for simplicity. Paging File should be located in the D:\ partition, because this partition is reserved for storage of sequence databases and will be the least fragmented.

The Low-end PC is formatted as follows:



If you are configuring your own server, you should prepare a server that meets similar specifications. The high end Windows Server 2008 R2 is recommened for use by multiple users or where multiple large data sets are to be processed. The low end Windows 7 configuration should only be used as a single user workstation.

Agilent recommends the use of RAID hard disk arrays for redundant protection of your data. RAID 5 (3-disk minimum) is recommended. RAID 0+1 (4-disk minimum) can be used to optimize performance but with a reduction in disk capacity. Use disks of the same size because disk capacity is based on the sizwe of the smallest disk.

Hard Drive Configured? Y N N/A

3 Software Configuration – Server

NOTE The Spectrum Mill server should not be used for other computer intensive software applications, such as other database searching software. Use of such software on the server will adversely affect the performance of Spectrum Mill, and may lead to errors in processing and searching data files. Therefore, do not have any other CPU intensive software installed on the Spectrum Mill server PC.

Spectrum Mill requires Internet Information Server (IIS), Java 6 runtime (JRE), and PERL. Refer to the Spectrum Mill Installation Guide for instruction on how to install and configure these applications.

G2721AA Y N N/A

High-end PC

Microsoft Windows 2008 R2, SP1 (or higher)

For Windows 2008 Server, Client Access licenses are required for authenticated access by client PCs.

Low-end PC

Microsoft Windows 7 SP1 (or higher)

Note that the server PC name should not contain an underscore, or other characters not compatible with the Domain Name System, because cookies will be disabled on Active Server pages and much of the Spectrum Mill functionality will be limited.

Y N N/A

Internet Explorer 8.0 or Internet Explorer 9.0

Y N N/A

Internet Information Services (IIS). See page 12 of the Installation Guide before attempting installation of IIS.

Y N N/A

ActivePerl 5.14.2 Installed on C:\Perl64, available on the Spectrum Mill B.04.00 SW CD-ROM (G2721-60019). See page 13 of the Installation Guide.

Y N N/A

Java 2 Runtime Environment for Windows (1.6.X), available on the Spectrum Mill B.04.00 SW CD-ROM (G2721-60019). See page 13 of the Installation Guide.

G2722AA Y N N/A

Xcalibur 1.4, or higher. Must be same version, or newer than, the version used to acquire the data. Alternatively, download and install the MSFileReader. You must use the 32-bit version. See page 14 of the Installation Guide for details.

G2723AA Y N N/A

None

G2724AA Y N N/A

Please contact your Agilent representative for details.

NOTE Make sure no other programs are installed on the server that can cause conflicts with the revisions of Java and PERL required by Spectrum Mill.

4 Software Configuration - Client

G2721AA Y N N/A

Internet Explorer 8.0 or Explorer 9.0

Note that:

1. Cookies must be enabled in order for form settings to be saved. To enable cookies in IE 8.0, either set Privacy settings to “Low” (Tools > Internet Options... > Privacy), or use the Privacy > Advanced button to “Always allow session cookies.”
2. For optimal usage of Spectrum Mill, the screen resolution should be 1280 x 1024, with True Color.
3. Depending upon your IT policies, it might be necessary to add the Spectrum Mill as a trusted site. If pages are not accessible or do not appear proper (scripting errors, missing items in drop-down menus), then this will be necessary.

G2722AA Y N N/A

None

G2723AA Y N N/A

ProteinLynx, for Waters QTOF data (*.PKL)

G2733AA Y N N/A

Windows 2007 with English settings

Y N N/A

Internet Explorer 8.0 or Explorer 9.0

Note that:

1. Cookies must be enabled in order for form settings to be saved. To enable cookies in IE 8.0, either set Privacy settings to “Low” (Tools > Internet Options... > Privacy), or use the Privacy > Advanced button to “Always allow session cookies.”
2. For optimal usage of Spectrum Mill, the screen resolution should be 1280 x 1024, with True Color.
3. Depending upon your IT policies, it might be necessary to add the Spectrum Mill as a trusted site. If pages are not accessible or do not appear proper (scripting errors, missing items in drop-down menus), then this will be necessary.

G2724AA Y N N/A

None

www.agilent.com

In This Book

This book contains information to prepare your site for the Agilent Spectrum Mill system components.

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