Ansys 202×电磁模块安装教程

一、安装说明

1. 软件名称: ANSYS Electronics; 版本: 2020&2021&2022&2023。

2. 语言: 英文; 软件大小: 8.12GB; 适用平台: Windows。

3. 本教程为简明教程,未涉及复杂的系统配置、IT 配置等场景。

4. 用户如需考虑更为复杂的场景应用,应自行到 ANSYS Customer Portal 下载相 关英文教程。

5. 本安装教程图片基于 Ansys 2022R2,其安装方法同样适用于 2020&2021&2023 ANSYS 电磁模块软件安装。

二、 ANSYS 软件下载地址

1.Ansys 官方软件下载页面:

https://support.ansys.com/AnsysCustomerPortal/en_us

进入 Customer Portal 页面,请点击 Downloads->Installation and Licensing Help and Tutorials。可下载如下文档:软件包,许可管理器等。

2.亿道电子 Ansys 软件下载页面:

http://www.emdoor.cn/Res/index/ztype/1.html

百度网盘下载链接:

链接: https://pan.baidu.com/s/1mGwXPF0njCAyjDr Gs5zbA?pwd=xbsy

3. Ansys 2022R2 软件电磁模块的安装包下载后,如下图所示:

ELECTRONICS_2022R2_WINX64.zip	🕞 👱 8.12G	2023-06-27 17:56
ELECTRONICS_2022R2.04_WINX64.zip	1.13G	2023-06-27 17:56
备注:安装电子桌面软件必须安装补丁包 选择安装	回 <i>,</i> 在主体程序安装	表完成后,

三、 硬件要求

注意: Ansys 2022R1 软件电磁模块安装所需硬盘空间: 最少 50GB; 运行需硬盘空间: 最少 100GB; 运行所需内存: 至少 4GB。

电脑类型 硬件	服务器推荐配置	服务器最低要求	客户端推荐配置	客户端最低要求
CPU	≥40 核	≥16 核	≥16 核	≥8核
内存	≥256G	≥128G	≥64G	≥32G
硬盘	≥4T	≥2T	≥2T	≥1T
显卡	≥16GB	≥8GB	≥4GB	≥2GB
显示器	24'-32',4K	20'-24',高清	20'-24',高清	14'-20',高清

为了 Ansys 2022R1 软件能正常运行, 推荐硬件配置如下表所示:

四、 操作系统要求

Ansys 2022R1 支持以下 Windows 操作系统:

操作系统	版本	
Windows	10+ (64 位)专业版和企业版	
	注:不支持 Windows 家庭版和教育版	
Windows Server	2016 +标准版(64 位)	

五、 安装前说明

为了确保 Ansys 软件的顺利安装,在安装前需要完成以下工作:

1. 确保 ANSYS License Manager 许可证管理器已经安装且许可证已激活,如果没有安装,请参考《Ansys 2020&2021&2022 许可证管理器和结构流体安装教程-2022.08.pdf》进行安装激活;

- 2. 关闭所有杀毒软件;
- 3. 关闭所有防火墙,包括系统自带的防火墙;
- 4. 关闭所有在线翻译软件;
- 5. 确保安装源文件及软件安装路径均为英文路径;
- 6. 确认软件安装路径有足够的硬盘空间;
- 7. 确保以管理员身份运行安装程序;



8. 确认其他版本的 Ansys 软件程序均关闭。

六、 Ansys 2022R1 电磁软件模块的安装

注意:客户端只需要安装 Ansys 电磁软件模块,不需要安装 License Manager 许可证管理器。客户端通过网络调用服务器的 Ansys License 许可证。

确保客户端机器与服务器在一个局域网,并且相互可以 ping 通主机名。 确保客户端和服务器的 1055 和 2325 端口均没有被(IT 或防火墙)禁用。

将下载好的 Electronics 安装包进行解压缩,双击进入 Electronics_221_winx64 文件夹(如果 Ansys 2022R1 安装界面已启动,请跳过该步骤);

	問脑 >	新加卷 (D:) 🛛	> Ansys >	安装包 >	ANSYS2022R1	>	Electronics_221_winx
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へ 名称	修改日期	类型	大小
AnsysEM	2021/12/7 1:57	文件夹	
AutoPlay	2021/12/7 1:57	文件夹	
Documentation	2021/12/7 1:57	文件夹	
LayoutIntegrations	2021/12/7 1:57	文件夹	
Prerequisites	2021/12/7 1:57	文件夹	
RSM	2021/12/7 1:57	文件夹	
🚱 autorun.exe	2021/10/20 14:39	应用程序	6,279 KB
🔊 autorun.inf	2021/4/22 4:27	安装信息	1 KB
🗟 lua5.1.dll	2021/4/22 4:27	应用程序扩展	319 KB
🗟 lua51.dll	2021/4/22 4:27	应用程序扩展	11 KB

右键点击"autorun.exe",以管理员身份运行"autorun.exe";(如果 Ansys 2022R2 安装界面已启动,请跳过该步骤);





3. 弹出初始界面,点击第二个: Install Electromagnetics Suite,如下:



4. 弹出安装主界面,点击"Next";





5. 点击"Yes";

Ansys Electromagnetics Suite 2022	R1	- 🗆
	R7	
©2022 ANSYS, Inc.	Ansys Electromagnetics Suite 2022 R1 X	
All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	License Agreement Please read the following license agreement carefully.	
	Press the PAGE DOWN key to see the rest of the agreement.	
E	CLICKWRAP SOFTWARE LICENSE AGREEMENT	
	***IF LICENSEE HAS PREVIOUSLY AGREED IN WRITING TO A SOFTWARE LICENSE AGREEMENT WITH LICENSOR THAT SPECIFICALLY GOVERNS USE OF THE PROGRAM(S) SUCH SOFTWARE LICENSE AGREEMENT TJENERSEDES AND REPLACES THIS CLICKWFAR'S SOFTWARE LICENSE AGREEMENT T, AND THIS CLICKWRAP SOFTWARE LICENSE AGREEMENT IS VOID ***	
	choose No, the setux will close. To install Ansys Electromagnetics Suite, you Print must accept this agreement.	
	InstallShield - Cack Yes No	

6. 选择软件安装目标目录,默认目录为 C:\Program Files\AnsysEM, (如果需要改 变安装目录,点击"Browse",然后选择软件安装的目标目录,点击 OK 确认,如果不 改变则忽略),确定好安装文件目录后,点击"Next";

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©2022 ANSYS, Inc.	Ansys Electromagnetics Suite 2022 R1 X	
All Rights Reserved. Unauthorized use, distribution	Choose Destination Location	
or duplication is prohibited.	Select folder where setup will install files.	
	Please select the common installation folder for Ansys Electromagnetics products.	
	Setup will install Ansys Electromagnetics Suite in a subdirectory 'v221\Win64' of this common directory.	
/F	- To use the below directory dick <next></next>	
/ -	- To install to a different directory, click <browse> and select another directory.</browse>	
123.53		
	Destination Folder	
	C:\Program Files\AnsysEM Browse	
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	< Back Next > Cancel	



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7. 点击"Next";

Ansys Electromagnetics Suite 2022 R1



8. 点击"Next";

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©2022 ANSYS Inc	Ansys Electromagnetics Suite 2022 R1 X	
All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	Choose Library Option Select whether new users should use a common library location by default	
	This product supports the Common Libraries installation, a centralized installation of materials, components, and other libraries used in Ansys Electromagnetics products. This option allows customers to place libraries in a common location that multiple products may reference. You may also add custom materials and components that are automatically	
	accessible to all users and products that use this common libraries installation. From which location should users access libraries by default? ① This local installation	
	 The following common location (the libraries must already be installed before choosing this option) 	
	InstallShield	
	< Back Next > Cancel	

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9. 进入 Ansys 集成界面,如果机器上已经安装了 Ansys 2022R1,会提示是否立刻 将电磁模块集成到 Ansys 2022R1 中,如果机器上没有安装 Ansys 2022R1,则选项不会 激活,选择"Yes"或者"No"(选择了"No"也可在安装完成后进行集成),点击"Next";

Ansys Electromagnetics Suite 2022 R1	- 🗆 ×
Ansys 2022 Engineering What's Ahead.	
E2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited. Ansys Electromagnetics Suite 2022 R1 Select whether or not to integrate Ansys Electromagnetics Suite 2022 R1 with Ansys 2022 R1 This wizard has detected the presence of Ansys 2022 R1 on this machine at: D:\Program Files\ANSYS Inc\v21 You may modify this integration at any time by choosing Modify Integration with Ansys 2022	
Do you wish to integrate with Ansys 2022 R1 now?	
InstallShield Cancel	

10. 到此有两种安装方式,分别是许可证方式和指定服务器方式,如勾选"I have a new license file",点击"Next",继续第 11 步;如勾选"I want to specify a license server", 点击"Next",跳转第 14 步;

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Exact 24 NSV5, Inc. All Rights Reserved. Unauthorized use, distribution Specify client license information. Specify client license information. No client license information found. Help me decide which of the following options in order to specify where licenses for this software will be served: Help me decide which of the following options to choose Image: New Comparison of the specify alicense configuration Image: New Comparison of the specify alicense configuration	Ansys 2022 Engineering What's A	27 Pead	
No client license information found. Please select one of the following options in order to specify where licenses for this software will be served: Help me decide which of the following options to choose i have a new license file I want to specify a license server I want to keep the current license configuration View current license configuration InstallShield (Back Next > Cancel	©2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	Ansys Electromagnetics Suite 2022 R1 X License Information Specify client license information.	
Figure 2 and the following options in order to specify where licenses for this software will be served: Help me decide which of the following options to choose I have a new license file I want to specify a license server I want to keep the current license configuration View current license configuration InstallShield Cancel		No client license information found.	
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InstallShield		View current license configuration	
		InstallShield	

打开(O)

取消

11. 点击"Browse",在弹出的对话框里选择 license.lic 许可证文件,点击"打开",

然后点击"Next";

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12. 继续点击"Next",进入 license 文件安装模式;

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©2022 ANSYS, Inc.	Ansys Electromagnetics Suite 2022 R1 X	
All Rights Reserved.	Review settings before copying files	
or duplication is prohibited.	You should close all running applications before continuing, Hint: Press Alt+Tab key to find applications, and then close them	
	Setup has enough information to start copying the program files. If you want to review or change any settings, dick Back. If you are satisfied with the settings, dick Next to begin copying files.	
<u> </u>	Current Settings:	
/=	Destination directory: "D: \Program Files \AnsysEM"	
	Destination disk information: Required disk space: 22117 MB (approximate) Available disk space: 554871 MB	
	Security Information: License file: "D:\Program Files\ANSYS Inc\Ansys_license_ ன 🛁 👫 🚛	
	c	
	InstallShield	
	< Back Next > Cancel	

13. 软件进入正式安装过程,请耐心等待,跳转第16步;

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Ansys 2022 Engineering What's A	27	
©2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	Ansys Electromagnetics Suite 2022 R1 X Setup Status	
_	The InstallShield Wizard is installing Ansys Electromagnetics Suite 2022 R1	
/	Installing D:\\AnsysEM\v221\Win64\BCGPStyle2007Aqua2430.dll	
	7	/
	InstallShield per	
	Electro	magnati

12 亿道电子

14. 如勾选"I want to specify a license server"服务器安装模式,则指定服务器的TCP/IP端口,保持默认1055即可,如果有多台服务器,可以勾选激活"Specify redundant servers"来填入每个服务器的主机名,然后点击"Next";

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Engineering What's A	Ansys Electromagnetics Suite 2022 B1	
©2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	License Information Specify client license information.	
	Specify the name or IP address of the license server. If you are specifying redundant servers, the order in which these servers are entered must match the license files on each server.	
/E	Server 1: DELL	
	Server 2: Server 3:	
	Specify server TCP/IP port number (advanced): 1055	
	InstallShield	
	< Back Next > Cancel	

15. 点击"Next",进入指定服务器安装模式;

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Ansys 2022 Engineering What's An			
©2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	Ansys Electromagnetics Suite 2022 R1 × Review settings before copying files You should close all running applications before continuing. Hint: Press Alt-Tab key to find applications, and then close them		
_	Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files. Current Settings:		
/5	Destination directory: 'D: IProgram Files \AnsysEM" Destination disk information: Required disk space: 22117 MB (approximate) Available disk space: 554874 MB		
	Security Information: License Server: DELL on TCP/IP Port 1055		
	٢		
	Instalishield Cancel		



16. 软件安装具体时长视机器配置决定,安装中;

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Engineering What's Ah ©2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	Ansys Electromagnetics Suite 2022 R1 X Setup Status	
	The InstallShield Wizard is installing Ansys Electromagnetics Suite 2022 R1	
/E	Installing D:\\Win64\fluent\fluent22.1.0\win64\3ddp_node\fl_mpi2210.exe	
	InstallShield	
	©2022 ANSYS, Inc. All Rights Reserved. Unauthorized use, distribution or duplication is prohibited.	

17. 安装完成, 点击"Finish";

18. 至此, Ansys 2022R1 电磁模块软件安装成功!