

Windows 10 IoT Enterprise LTSC 2021 for OptiPlex 3000 Thin Client

Release Notes



Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Overview

The Windows 10 IoT Enterprise LTSC 2021 operating system is designed to run on OptiPlex 3000 Thin Clients. New releases are created to support new hardware platforms, correct defects, make enhancements, or add new features.

 **NOTE:** To determine which version of the operating system you need to select for your thin client, see [Version matrix](#).

Version matrix

The following version matrix lists the platforms supported in each Windows 10 IoT Enterprise LTSC 2021 for OptiPlex Thin Clients release, and helps you select which type of thin client is appropriate for your work environment:

Table 1. Version matrix

Release version	Release date	Supported platforms	Release Notes
10.05.XX.10.22.00	October 2022	OptiPlex 3000 Thin Client	Windows 10 IoT Enterprise LTSC 2021
10.05.XX.07.22.00	July 2022	OptiPlex 3000 Thin Client	Windows 10 IoT Enterprise LTSC 2021
10.05.XX.02.22.00	March 2022	OptiPlex 3000 Thin Client	Windows 10 IoT Enterprise LTSC 2021

Windows 10 IoT Enterprise LTSC 2021

10.05.XX.10.22.00

Release summary

This release note contains information about the Windows 10 IoT Enterprise LTSC 2021 that runs on the OptiPlex 3000 Thin Client. Windows 10 IoT Enterprise LTSC 2021 is factory installed on the OptiPlex 3000 Thin Client. It provides the flexibility to be managed with Wyse Management Suite and Microsoft Endpoint Configuration Manager. The Windows 10 IoT Enterprise LTSC 2021 supports English and MUI languages.

Version

10.05.XX.10.22.00

Release date

October 2022

New and enhanced features

This release consists of two parts: the Dell Application Store and the E-support image.

- Dell Application Store
 - Dell Application Store is separate from the e-support image on [Dell Support](#) page. Customers need to download the latest Dell Application Store from [Dell Support](#) page to get the following enhancements.
 - Unified Write Filter Servicing Mode: Servicing mode commands to service the device and apply Windows updates to the device.
 - A task scheduler "WindowsUWFServicing" (by default disabled) is created and set to trigger the servicing mode as required.
 - IT administrator can enable and schedule it as per their convenient maintenance time for the updates.
 - Refer to [Important Notes](#) to know about the prerequisites for UWF Servicing Mode.
 - Refer to [Apply Windows updates to UWF-protected devices | Microsoft Learn](#) for more information.
 - Included VMware Horizon Client 2206 and validated with the VMware Horizon Cloud Service.
 - VMware Horizon Cloud Services has been validated and is supported on Windows 10 IoT Enterprise LTSC 2021.
 - Refer to [VMware Horizon Documentation - Horizon 8, Horizon Cloud Service, and Horizon Clients](#) for more information.
 - Latest third-party applications

Refer to [Third-party & Dell applications in Dell Application Store](#) for more information.

- Enabled Citrix Workspace App Current Release Version, replacing Citrix Workspace App LTSR (Long term service release) version
 - Refer to [FAQ: Citrix Virtual Apps and Desktops and Citrix Hypervisor Long Term Service Release \(LTSR\)](#) to know more about the difference between CWA Current Release and CWA Long Term Service Release.
 - Refer to [About this release | Citrix Workspace app for Windows](#) to know about the CWA 2209 Current Release.
 - Removed Citrix HDX Real Time Media Engine plug-in due to product EOML.
 - [Windows 10 IoT Enterprise LTSC 2021 for OptiPlex 3000 Thin Client Administrator's Guide](#) is updated with the notes to remove TightVNC (Virtual Network Computing) application.
- E-support image

- The e-support image is updated to include the latest security intelligence updates for Microsoft Defender Antivirus and other Microsoft antimalware updates. Refer to [QFEs list](#) for more information.
- As part of Dell Thin Client Application revamp, e-support image is included with latest Dell Application Control Center for better user experience. The inclusion of Dell Application Control Center in e-support image will provide a better unified experience of Application Launch Manager, xData Cleanup Manager, Wyse Easy Setup, Wyse Device Agent and Custom Imaging scenarios when customers reimagine their devices with the latest e-support image. With this quarterly release, the functionalities of the Dell Thin Client Application are merged into the Dell Application Control Centre. Also, the Dell Thin Client Application is removed from the e-support image.

NOTE: If IT administrators do not plan to reload the e-support image, they can also download the security patches from [Microsoft Update Catalog](#) and follow the [Deployment Guide](#) for deployment. It can save time in deployment, image customization, and network traffic.

Important notes

UWF Servicing Mode and Task Scheduler Information

- Install July 12, [2022-KB5015807](#) as a pre-requisite QFE to function UWF Servicing mode.
- 'WindowsUWFServicing ' is the scheduled task which is added and disabled by default to run at 3:00AM every Sunday every 4 Weeks for automatic windows updates.
- IT administrator can enable and update the scheduled timing as per their convenience.
- For UWFServicing Mode, the device needs to be able to connect the Windows Updates servers.

Post Installing Dell Application Store

- After running the Dell Application Store, the Unified Write Filter tray user interface will be managed by Dell Application Control Center.
 - Right click and run as admin when starting Dell Application Control Center to continue to manage Unified Write Filter.
- NOTE:** If you are using the latest 10.05.XX.10.22.00 e-support image, then Dell Thin Client Application is removed. Instead, Dell Application Control Centre is added as part of the e-support image for device configuration and management.

Dell Application Store- Citrix installation pre-requisite

- Citrix Workspace Application 22.9.0.28 requires Internet to install Microsoft Edge WebView2 Runtime as part of its installation through Dell Application Store.
- Alternative-
 - Users can Download [Microsoft Edge WebView2 Runtime](#) manually on thin client and install it.
 - Then install Citrix Workspace Application 22.9.0.28 from Dell Application Store 22.10.0.5, and then Citrix Workspace Application will be upgraded to 22.9.0.28 as expected.

QFEs list

Table 2. QFEs list

KB Number	Update Description
KB5013624	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5003791	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5015807	Security Update for Windows 10 IoT Enterprise LTSC 2021
KB5014032	Security Update for Windows 10 IoT Enterprise LTSC 2021
KB5014671	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5005699	Security Update for Windows 10 IoT Enterprise LTSC 2021

Third-party & Dell applications in Dell Application Store

Table 3. Third-party applications

Application name	Version
Citrix Workspace App	22.9.0.28
VMWare Horizon Client	8.6.0.29364 (2206)
TightVNC (Virtual Network Computing)	2.8.68.0
Zoom Plugins for Citrix and VMware	5.11.21750
Cisco Webex VDI (Virtual Desktop Infrastructure) Plugin	42.8.0.23281
Cisco Jabber Softphone for VDI (Virtual Desktop Infrastructure) Client	14.1.0.56686
Cisco WebEx VDI ((Virtual Desktop Infrastructure) Meetings Plugin	42.2.6.11
Amazon Workspaces	5.1.0.3029

Table 4. Dell applications

Application name	Version
Dell Secure Client	1.0.0.240
Wyse Easy Setup	2.0.0.320
Dell Application Control Center (DACC)	1.1.0.16
Application Launch Manager (ALM)	1.1.0.5
Dell Overlay Optimizer	1.0.1.53
Language Configuration Tool	1.0.0.10
xData CleanUp Manager (xDCM)	1.0.0.5
Quick Start	Not Applicable
Wyse Device Agent	14.6.6.3
Custom Configuration Sysprep	Not Applicable

Applications/ Driver components

Table 5. Dell Application driver details


Drivers/ Files	OptiPlex 3000 Thin Client
CAD-MAP-VDI	3.0.6.0

Table 6. Common application, features, and files- part of e-support image build 10.05.XX.10.22.00

Application	Version
Wyse Device Application (WDA)	14.6.6.3
PlatVsys	1.0.0.5
VMWare Horizon Client	8.4.0.24146
Merlin	4.1.0
Wyse Easy Setup	2.0.0.320
Application Launch Manager (ALM)	1.1.0.5

Table 6. Common application, features, and files- part of e-support image build 10.05.XX.10.22.00 (continued)

Application	Version
xData CleanUp Manager (xDCM)	1.0.0.5
Dell Command Monitor (DCM)	10.6.0.150
Citrix Workspace 1912	19.12.6000.9
Control Alt Del Map (CAD Map)	3.0.6.0
Microsoft Endpoint Configuration Manager	5.00.8790.1007
Build Content	1.0.0.8
Language Configuration Tool	1.0.0.9
Dell Application Control Centre	1.1.0.16
Custom Sysprep (Master.exe)	1.0.0.17
Azure Virtual Desktop	1.2.3401.0
Microsoft Edge Browser	103.0.1264.77
Quick Start	Not Applicable
Microsoft Remote Desktop Connection	10.0.19041 (Protocol 10.8 Supported)
TightVNC (Virtual Network Computing)	2.8.63.0

 **NOTE:** Factory image version number will change based on the production month and the year.

Test Environment

Table 7. Test Environment

Hardware Type	Hardware Rev	Model Name	CPU Name	Build Package Name	Product Version	RAM	SSD Size	BIOS Version
OptiPlex 3000 Thin Client	0502	OptiPlex 3000 Thin Client	Pentium	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_July2022.exe	10.05.09.07.22.00	8/16 GB	256 GB	1.5.0
OptiPlex 3000 Thin Client	0503	OptiPlex 3000 Thin Client	Celeron	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_July2022.exe	10.05.10.07.22.00	8/16 GB	256 GB	1.5.0

Compatibility

Build details

Table 8. General build details

Platform(s)	OptiPlex 3000 Thin Client
Product	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_Oct 2022.exe

Table 8. General build details (continued)

Build Version	10.0
Build Number	10.05.XX.10.22.00
Localization	English
Boot Agent version	4.1.0
Merlin USB Imaging Tool	3.5.0.210
MD5 File Checksum	6419E733ED851C192DEA9CBA3822AC3D

Table 9. Platform specific build details of Wyse Management Suite

Platform(s)	OptiPlex 3000 Thin Client
Version	10.0
Build Number	10.05.XX.10.22.00
Build Wyse Management Suite Package Name	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_Oct 2022.exe
Build Size (Bytes)	10,079,772,598 bytes
Localization	English
BIOS Details	
Platform	OptiPlex 3000 Thin Client
BIOS Version	1.5.0

Table 10. Build details of Dell Application Store

DAS installer version	22.10.0.5
Build Number	22.10.0.5
Build Wyse Management Suite Package Name	DellApplicationStore_22.10.0.5.exe
Build Size (Bytes)	1,496,748,784 bytes
MD5 File Checksum	F9076C9914425EB1D37EFCB91BB258AB

BIOS is not part of this build. The above BIOS version is used during the build validation.

Windows 10 IoT Enterprise LTSC 2021

10.05.XX.07.22.00

Release summary

This release note contains information about the Windows 10 IoT Enterprise LTSC 2021 that runs on the OptiPlex 3000 Thin Client. Windows 10 IoT Enterprise LTSC 2021 is factory installed on the OptiPlex 3000 Thin Client. It provides the flexibility to be managed with Wyse Management Suite and Microsoft Endpoint Configuration Manager. The Windows 10 IoT Enterprise LTSC 2021 supports English and MUI languages.

Version

10.05.XX.07.22.00

Release date

July 2022

New and enhanced features

This release consists of two parts: the Dell Application Store and the E-support image.

- Dell Application Store
 - Dell Application Store is separate from the e-support image on [Dell Support](#) page. Customers need to download the latest Dell Application Store from [Dell Support](#) page to get the following enhancements.
 - Auto Windows Defender Update allows users to automatically update the Windows Defender signature every day with Unified Write Filter ON.
 - Easy Setup in kiosk mode: New setting is available to set 12/24-time clocks from the thin client.
 - Latest third-party applications.
Refer to [Third-party & Dell applications in Dell Application Store](#) for more information.
 - Optimization of memory utilization by removing RAM Disk after installing Dell Application Store.
 - Supports Microsoft Azure Virtual Desktop with latest exclusions, added as part of the Unified Write Filter.
- E-support image
 - The e-support image is updated to include the latest security intelligence updates for Microsoft Defender Antivirus and other Microsoft antimalware updates. Refer to [QFEs list](#) for more information.

NOTE: If IT administrators do not plan to reload the e-support image, they can also download the security patches from [Microsoft Update Catalog](#) and follow the Security Patches Deployment Guide for deployment. It can save time in deployment, image customization, and network traffic.

Refer to [Important Notes](#) for more information on new and enhanced features.

Important notes

Citrix Desktop Viewer

- Citrix Desktop Viewer
 - The Citrix Desktop Viewer tool is made available on the connection so that customer can resize session without recourse to using shortcut keys as mentioned steps below:
 - Pass toolbar as a parameter from the UI and add it to the JSON file, instead of using API and shortcut keys. JSON will get replicated to the VDI session.
 - Edit the WebInterface.conf file in the locations given in the next two steps.
 - Open the C:\inetpub\wwwroot\Citrix\XenApp\conf folder for Web Interface connections.
 - Open the C:\inetpub\wwwroot\Citrix\PNAgent\conf folder for PNAgent connections.
 - Update the configuration file to remove the '#' and set ShowDesktopViewer=On.
 - The toolbar option will be displayed in the VDI session.

Post Installing Dell Application Store

- After running the Dell Application Store, the Unified Write Filter tray user interface will be managed by Dell Application Control Center.
- Right click and run as admin when starting Dell Application Control Center to continue to manage Unified Write Filter.

Task scheduler information to support Windows Defender Auto Updates

- 'WindowsDefenderUpdate' is the scheduled task which is added and enabled by default to run at 2:00AM every day for automatic updates of Defender signatures.
- Users can update the scheduled timing as per their convenience.
- To support the auto update, below exclusions are added Unified Write Filter.
 - HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\TasksCache\Tasks
 - HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\TasksCache\Tree

Dell Application Store- Citrix installation pre-requisite

- Citrix Workspace Application 22.3.1.41 requires internet to install Microsoft Edge WebView2 Runtime as part of its installation through Dell Application Store.
- Alternative-
 - Users can Download [Microsoft Edge WebView2 Runtime](#) manually on thin client and install it.
 - Then install Citrix Workspace Application 22.3.1.41 from Dell Application Store 22.07.0.5, and then Citrix Workspace Application will be upgraded to 22.3.1.41 as expected.

QFEs list

Table 11. QFEs list

KB Number	Update Description
KB5013624	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5003791	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5013942	Security Update for Windows 10 IoT Enterprise LTSC 2021
KB5014032	Security Update for Windows 10 IoT Enterprise LTSC 2021
KB5005699	Security Update for Windows 10 IoT Enterprise LTSC 2021

Third-party & Dell applications in Dell Application Store

Table 12. Third-party applications

Application name	Version
Citrix Workspace App	22.3.1.41
Citrix HDX Real Time Media Engine	2.9.500.2802
VMWare Horizon Client	8.5.0.26981
TightVNC (Virtual Network Computing)	2.8.68.0
Zoom Plugins for Citrix and Vmware	5.11.21410
Cisco WebEx VDI (Virtual Desktop Infrastructure) Plugin	42.6.0.22645
Cisco Jabber Softphone for VDI (Virtual Desktop Infrastructure) Client	14.1.0.56686
Cisco WebEx VDI ((Virtual Desktop Infrastructure) Meetings Plugin	42.2.6.11
Amazon Workspaces	5.0.0.2559

Table 13. Dell applications

Application name	Version
Dell Secure Client	1.0.0.240
Wyse Easy Setup	2.0.0.241
Dell Application Control Center (DACC)	1.1.0.10
Application Launch Manager (ALM)	1.1.0.4
Dell Overlay Optimizer	1.0.1.53
Language Configuration Tool	1.0.0.10
xData CleanUp Manager (xDCM)	1.0.0.4
Quick Start	Not Applicable
Wyse Device Agent	14.6.4.8
Custom Configuration Sysprep	Not Applicable

Applications/ Driver components

Table 14. Dell Application driver details


Drivers/ Files	OptiPlex 3000 Thin Client
CAD-MAP-VDI	3.0.6.0

Table 15. Common application, features, and files- part of e-support image build 10.05.XX.07.22.00

Application	Version
Wyse Device Application (WDA)	14.6.3.1
PlatVsys	1.0.0.5
VMWare Horizon Client	8.4.0.24146
Merlin	4.1.0
Wyse Easy Setup	2.0.0.217

Table 15. Common application, features, and files- part of e-support image build 10.05.XX.07.22.00 (continued)

Application	Version
Application Launch Manager (ALM)	1.1.0.3
xData CleanUp Manager (xDCM)	1.0.0.3
Dell Command Monitor (DCM)	10.6.0.150
Citrix Workspace 1912	19.12.6000.9
Citrix HDX Real Time Media Engine (RTME)	2.9.400.2702
Control Alt Del Map (CAD Map)	3.0.6.0
Microsoft Endpoint Configuration Manager	5.00.8790.1007
Build Content	1.0.0.8
Language Configuration Tool	1.0.0.9
Dell Thin Client Application	10.0.0.27
Custom Sysprep (Master.exe)	1.0.0.17
Azure Virtual Desktop	1.2.3130.0
Microsoft Edge Browser	101.0.1210.53
Quick Start	Not Applicable
Microsoft Remote Desktop Connection	10.0.19041 (Protocol 10.8 Supported)
TightVNC (Virtual Network Computing)	2.8.63.0

 **NOTE:** Factory image version number will change based on the production month and the year.

Test Environment

Table 16. Test Environment

Hardware Type	Hardware Rev	Model Name	CPU Name	Build Package Name	Product Version	RAM	SSD Size	BIOS Version
OptiPlex 3000 Thin Client	0502	OptiPlex 3000 Thin Client	Pentium	Windows 10 IoT Enterprise LTSC 2021	10.05.XX.07.22. 00	8/16 GB	256 GB	1.0.2
OptiPlex 3000 Thin Client	0503	OptiPlex 3000 Thin Client	Celeron	Windows 10 IoT Enterprise LTSC 2021	10.05.XX.07.22. 00	8/16 GB	256 GB	1.0.2

Compatibility

Build details

Table 17. General build details

Platform(s)	OptiPlex 3000 Thin Client
Product	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_July 2022.exe

Table 17. General build details (continued)

Build Version	10.0
Build Number	10.05.XX.07.22.00
Localization	English
Boot Agent version	4.1.0
Merlin USB Imaging Tool	3.5.0.210

Table 18. Platform specific build details of Wyse Management Suite

Platform(s)	OptiPlex 3000 Thin Client
Version	10.0
Build Number	10.05.XX.07.22.00
Build Wyse Management Suite Package Name	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_July 2022.exe
Build Size (Bytes)	9,924,906,834 bytes
Localization	English
BIOS Details	
Platform	OptiPlex 3000 Thin Client
BIOS Version	1.0.2

Table 19. Build details of Dell Application Store

DAS installer version	22.07.0.5
Build Number	22.07.0.5
Build Wyse Management Suite Package Name	DellApplicationStore_22.07.0.5.exe
Build Size (Bytes)	1252996528 bytes

BIOS is not part of this build. The above BIOS version is used during the build validation.

Windows 10 IoT Enterprise LTSC 2021

10.05.XX.02.22.00

Release summary

This release note contains information about the Windows 10 IoT Enterprise LTSC 2021 that runs on the OptiPlex 3000 Thin Client. Windows 10 IoT Enterprise LTSC 2021 is factory installed on the OptiPlex 3000 Thin Client. It provides the flexibility to be managed with Wyse Management Suite and Microsoft Endpoint Configuration Manager. The Windows 10 IoT Enterprise LTSC 2021 supports English and MUI languages.

Version

10.05.XX.02.22.00

Release date

March 2022

New and enhanced features

The following are all the new features delivered in this release.

- Supports OptiPlex 3000 Thin Client platform.
- Supports new Windows 10 IoT Enterprise LTSC 2021 Operating System.
- Supports Microsoft Azure Virtual Desktop.
- Supports H.265 codec with HEVC.
- Supports latest Microsoft Edge Chromium Browser.
- Enhanced the Wyse Easy Setup support for newer Microsoft Edge Browser configurations and Microsoft Azure Virtual Desktop feature. This is provided as a custom application additional support.
- Supports Wyse Management Suite/ USB image deployment-Secure boot.

Compatibility

Build details

Table 20. General build details

Platform(s)	OptiPlex 3000 Thin Client
Product	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_Feb 22.exe
Build Version	10.0
Build Number	10.05.XX.02.22.00
Localization	English
Boot Agent version	4.1.0

Table 20. General build details (continued)

Merlin USB Imaging Tool	3.5.0.210
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Table 21. Platform specific build details of Wyse Management Suite

Platform(s)	OptiPlex 3000 Thin Client
Version	10.0
Build Number	10.05.XX.02.22.00
Build Wyse Management Suite Package Name	Windows10_IoT_Enterprise_LTSC_2021_OptiPlex_3000_Feb 22.exe
Build Size (Bytes)	10,04,43,03,584
Localization	English
BIOS Details	
Platform	OptiPlex 3000 Thin Client
BIOS Version	1.0.2

Table 22. Build details of Dell Application Store

DAS installer version	1.1.0.5
Build Number	1.1.0.5
Build Wyse Management Suite Package Name	DellApplicationStore.exe
Build Size (Bytes)	972461848

BIOS is not part of this build. The above BIOS version is used during the build validation.

Third-party applications in Dell Application Store

Table 23. Third-party applications

Application name	Version
Citrix Workspace App	19.12.6000.9
Citrix HDX Real Time Media Engine	2.9.400.2702
VMWare Horizon Client	8.4.0.24146
TightVNC (Virtual Network Computing)	2.8.63.0
Zoom Plugins for Citrix and Vmware	5.9.20742
Cisco WebEx VDI (Virtual Desktop Infrastructure) Plugin	41.12.0.20899
Cisco Jabber Softphone for VDI (Virtual Desktop Infrastructure) Client	14.0.1.55989
Cisco WebEx VDI ((Virtual Desktop Infrastructure) Meetings Plugin	41.4.7.10
Amazon Workspaces	4.0.6.2415

Table 24. Dell applications

Application name	Version
Dell Secure Client	1.0.0.240
Wyse Easy Setup	2.0.0.241
Dell Application Control Center (DACC)	1.1.0.10

Hardware support information

- Intel and Pentium N6005 processor—2.00GHz, 8/16 GB RAM, 256 GB SSD.
- Intel and Celeron N5105 processor—2.00GHz, 8/16 GB RAM, 256 GB SSD.

Table 25. Supported displays

Hardware	Operating System	Single Display (in built)	Dual Display
OptiPlex 3000 Thin Client	Windows 10 IoT Enterprise LTSC 2021	Supported	Supported

Supported languages

- English (en-US)
- German (de-DE)
- French France (fr-FR)
- French Canada (fr-CA)
- Italian (it-IT)
- Spanish (es-ES)
- Japanese (ja-JP)
- Korean (ko-KR)
- Chinese Simplified (zh-CN)
- Chinese traditional (zh-TW)
- Brazilian Portuguese (pt-BR)
- Dutch Netherlands (nl-NL)
- Danish Denmark (da-DK)
- Finnish Finland (fi-FI)
- Norwegian Norway (nb-NO)
- Russian Russia (ru-RU)
- Swedish Sweden (sv-SE)

Important notes

Test Environment

Table 26. Test Environment

Hardware Type	Hardware Rev	Model Name	CPU Name	Build Package Name	Product Version	RAM	SSD Size	BIOS Version
OptiPlex 3000 Thin Client	0502	OptiPlex 3000 Thin Client	Pentium	Windows 10 IoT Enterprise LTSC 2021	10.05.XX.02.22.00	8/16 GB	256 GB	1.0.2
OptiPlex 3000 Thin Client	0503	OptiPlex 3000 Thin Client	Celeron	Windows 10 IoT Enterprise LTSC 2021	10.05.XX.02.22.00	8/16 GB	256 GB	1.0.2

4K monitors

The OptiPlex 3000 Thin Client supports Dell U3223QE, U2723QE, U3219Q 4K, and 4323QE monitors.

Non 4K monitors

Table 27. Non 4K monitors

Number of displays	Monitors
One display	U2422HE
	P2422HE
	P2722HE
	U2722D
	C2722DE
	P2722H
	P2222H
	P2421
	P2421D
	P2720D
	P2720DC
	U2520D
	U3421WE
	U3423WE
	E1920H
	E2420H
	E2720H
	E2720HS
	P2319H
	P2418HT
U3023E	
Two displays	P2422H
	U2422H
	C2422HE
	C2722DE
	E2020H
	U3821DW
	P3421W
	C3422WE
	U3423WE

Used space and free space

Table 28. Used space and free space

Platform	SSD	Used space	Free space
OptiPlex 3000 Thin Client	256 GB SSD	11.7 GB	221.0 GB

QFEs list

Table 29. QFEs list

KB Number	Update Description
KB5004331	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5003791	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5007273	Update for Microsoft Windows 10 IoT Enterprise LTSC 2021
KB5009543	Security Update for Windows 10 IoT Enterprise LTSC 2021
KB5005699	Security Update for Windows 10 IoT Enterprise LTSC 2021


Operating system/ Driver components

Table 30. Driver details

Drivers/ Files	OptiPlex 3000 Thin Client
Wyseramdisk.sys (Wyse RAM Disk driver)	5.0.2183.5
CAD-MAP-VDI	3.0.6.0

Table 31. Common application, features, and files- part of e-support image build 10.05.XX.02.22.00

Application	Version
Wyse Device Application (WDA)	14.6.3.1
PlatVsys	1.0.0.5
VMWare Horizon Client	8.4.0.24146
Merlin	4.1.0
Wyse Easy Setup	2.0.0.217
Application Launch Manager (ALM)	1.1.0.3
xData CleanUp Manager (xDCM)	1.0.0.3
Dell Command Monitor (DCM)	10.6.0.150
Citrix Workspace 1912	19.12.6000.9
Citrix HDX Real Time Media Engine (RTME)	2.9.400.2702
Control Alt Del Map (CAD Map)	3.0.6.0
Microsoft Endpoint Configuration Manager	5.00.8790.1001(2019)
Build Content	1.0.0.8
Language Configuration Tool	1.0.0.9
Dell Thin Client Application	10.0.0.27
Custom Sysprep (Master.exe)	1.0.0.17
Azure Virtual Desktop	1.2.2970.0
Microsoft Edge Browser	96.0.1054.57
Quick Start	Not Applicable
Microsoft Remote Desktop Connection	10.0.19041 (Protocol 10.8 Supported)
TightVNC (Virtual Network Computing)	2.8.63.0

 **NOTE:** Factory image version number will change based on the production month and the year.

Peripherals ecosystem

Table 32. Peripherals ecosystem

Product Description
Dell Pro Wireless Keyboard and Mouse - Tasman (previous Windsor) - KM5221W
Dell Pro Stereo Headset - Cortez - WH3022
Dell 24 Monitor - P2422H
Dell Slim Soundbar - Ariana - SB521A
Dell UltraSharp 24 Monitor - U2422H
Logitech BRIO 4K Ultra HD Webcam - 960-001105
Dell Laser Wired Mouse - MS3220_Black - Morty
Dell UltraSharp 24 USB-C HUB Monitor - U2422HE
Logitech C525 HD Webcam - 960-000715
Dell Business Multimedia Keyboard - KB522Scarlet
Dell Mobile Wireless Mouse - MS3320W_Black - Dawson
Dell Premier Multi-Device Wireless Keyboard and Mouse - Acadia IO - KM7321W
Dell Collaboration 24 USB-C Hub Monitor - C2422HE
Logitech C930e HD Webcam - 960-000971
Dell 24 USB-C Hub Monitor - P2422HE
Dell UltraSharp 27 USB-C HUB Monitor - U2722DE
Dell 27 USB-C Hub Monitor - P2722HE
Dell UltraSharp 27 Monitor - U2722D
Dell Collaboration 27 USB-C Hub Monitor - C2722DE
Dell 27 Monitor - P2722H
Dell 22 Monitor - P2222H
Dell 24 Monitor - P2421
Dell 24 Monitor - P2421D
Dell 27 Monitor - P2720D
Dell 27 USB-C Monitor - P2720DC
Dell UltraSharp 25 USB-C Monitor - U2520D
Dell USB Slim DVD +/- RW Drive - DW316 - Agate
Dell Pro Stereo Soundbar - AE515M - Nirvana M
Dell Stereo Soundbar - AC511M - Potential M
Jabra Engage 65 MS Wireless Headset - 9559-553-125 Dell part #: AA143343
Jabra Evolve 65 MS Stereo - Headset - 6599-823-309
Dell Mobile Adapter Speakerphone - MH3021P - Apollo
Dell Multi-Device Wireless Keyboard and Mouse Combo - KM7120W - Felix
Dell Multi-Device Wireless Mouse - MS5320W - Comet

Table 32. Peripherals ecosystem (continued)

Product Description
Dell Optical Mouse - MS116_BLACK - MS116 - Sapphire
Dell Optical Mouse - MS116_GREY - MS116 - Sapphire
Dell Optical Mouse - MS116_WHITE - MS116 - Sapphire
Dell Collaboration 34 USB-C Hub Monitor - C3422WE
Dell UltraSharp 34 Curved USB-C HUB Monitor - U3421WE
Dell KB813 Smartcard Keyboard - KB813 - Cardinal
Dell Mobile Pro Wireless Mice - MS5120W_Black - Splinter
Dell 20 Monitor E2020H
Dell 19 Monitor E1920H
Dell 24 Monitor E2420H
Dell 24 Monitor E2420HS
Dell 24" Monitor - E2420HS
Dell 27 Monitor E2720H
Dell 27 Monitor E2720HS
Dell 23 Monitor - P2319H
Dell UltraSharp 32 4K USB-C Monitor - U3219Q
Dell 24 Touch Monitor - P2418HT
Dell Multimedia Keyboard - KB216_BLACK - Rusty
Dell Multimedia Keyboard - KB216_Grey - Rusty
Dell Multimedia Keyboard - KB216_WHITE - Rusty
Dell USB-C Mobile Adapter - DA310 - Slayer 3 MLK
Dell Wired Mouse with Fingerprint Reader - MS819 - Ultramarine - MS819
Dell Slim Conferencing Soundbar - Lizzo - SB522A
Dell Speakerphone - Mozart - SP3022
Dell 27 4K USB-C Monitor - P2721Q
Dell 34 Curved USB-C Monitor - P3421W
Dell Collaboration 32 Monitor - U3223QE
Dell UltraSharp 27 4K USB-C HUB Monitor - U2723QE
Dell UltraSharp 30 USB-C HUB Monitor - U3023E
Dell UltraSharp 38 Curved USB-C HUB Monitor - U3821DW
Dell 19 Monitor - P1917S
Dell UltraSharp 27 4K USB-C Monitor - U2720Q
Dell 4323QE 4K Monitor
Dell U3423WE Monitor

Boot sequence

- The first boot is Windows Boot Manager.

- The second boot is Merlin Non-Pxe.
- The third boot is UEFI HTTPs Boot.
- The fourth boot is UEFI CL1-3D256-Q11 NVMe SSTC 256 GB TWOTN2CC9DH000BB09161.
- The fifth boot is ONBOARD NIC (IPV4).
- The sixth boot is ONBOARD NIC (IPV6).

Resources and support

Accessing documents using the product search

1. Go to www.dell.com/support.
2. In the **Enter a Service Tag, Serial Number, Service Request, Model, or Keyword** search box, type the product name. For example, **OptiPlex 3000 Thin Client**. A list of matching products is displayed.
3. Select your product.
4. Click **Documentation**.


Accessing documents using product selector

You can also access documents by selecting your product.

1. Go to www.dell.com/support.
2. Click **Browse all products**.
3. Click **Computers**.
4. Click **Thin Clients**.
5. Click **OptiPlex Thin Client**.
6. Click **OptiPlex 3000 Thin Client**.
7. Click **Select this Product**.
8. Click **Documentation**.

Contacting Dell

About this task

 **NOTE:** If you do not have an active Internet connection, you can find contact information from your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country/region or region and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

Steps

1. Go to www.dell.com/support.
2. Select your support category.
3. Verify your country/region or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link that is based on your need.