



# BIOS Add-on for Latitude 5280 Mobile Thin Client

## Release Notes

Software releases are created to correct defects, make enhancements, or add new features. These releases are tested on all current, actively shipping platforms and operating systems as applicable. This release notes contain details on the supported platforms, any changes in the configuration settings and licensing details as well. The bug fixes along with the workarounds are documented in the release notes. Any changes in the feature functionality from an end-user perspective are listed with the description of each feature at a high level.

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## Release type and definition

This release notes contains information about the add-on to update BIOS to the latest version 1.11.1 for Latitude 5280 mobile thin client with Windows 10 IoT Enterprise operating system.

## New features

The following are the new features in this release:

- Intel ME Firmware is updated to v11.8.55.3510 to address security advisories INTEL-SA-00125 (CVE-2018-3655), Intel-SA-00131 (CVE-2018-3643 CVE-2018-3644), and INTEL-SA-00141 (CVE-2018-3657 CVE-2018-3658 CVE-2018-3616).
- **SMM Security Mitigation** option is added under the **Security** tab in the BIOS page. For more information, see *Understanding the Windows SMM Security Mitigation Table (WSMT)* at [support.microsoft.com](http://support.microsoft.com).
- The **LAN with PXE Boot** option is added for Wake on LAN in Power Management.

# Support matrix

Table 1. Support matrix

Platform	Operating system	Build number	BIOS version	Add-on name	Size
Latitude 5280 mobile thin client	Windows 10 IoT Enterprise	5280_0A73_32GB.exe	1.11.1	Latitude_5280_1.11.1	18.9 MB (198,75,288 bytes)

Table 2. Management Server details

Management Server	Version
Wyse Device Manager	5.7.3
Wyse Management Suite	1.2
Microsoft System Center Configuration Manager	Microsoft System Center Configuration Manager 2016 Version 1606 Console Version—5.0.8412.1313 Site version—5.0.8412.1000

## Installing add-on using Wyse Management Suite

### Prerequisite

Wyse Device Agent must be upgraded to the latest version before deploying the BIOS add-on.

### About this task


You can install the add-on using Wyse Management Suite.

### Steps

- 1 Go to [support.dell.com](http://support.dell.com).
- 2 Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.

**NOTE:** If you do not have **Service Tag**, use the **auto detect** feature or manually browse for your thin client model.

- 3 Click **Drivers and Downloads**.
- 4 From the **Operating system** drop-down menu, select the appropriate operating system.
- 5 Scroll down the page and download the respective .exe file.
- 6 Copy the downloaded .exe file (raw installer file) to the Wyse Management Suite server repository.  
For example, copy the downloaded file to `C:\WMSRep\repository\thinClientApps`.
- 7 Log in to Wyse Management Suite.
- 8 Click **Portal Administration**, and then click **File Repository** under **Console Settings**.
- 9 Select the **Local Repository** check box.
- 10 Click **Sync Files**.  
Wait for the synchronization process to complete. The synchronization process copies the package from the repository to **Apps and Data**.
- 11 Click **Apps and Data**.  
The **Apps and Data** page is displayed.
- 12 Verify the copied package in the applications list.


- 13 To create a group in the Wyse Management Suite server, click **Groups & Configs**.  
The **Groups & Configs** page is displayed.
- 14 Click the **Plus sign (+)** button and enter the required details to register your client in the same group.
- 15 Click **Apps and Data**.  
The **Apps and Data** page is displayed.
- 16 Click **Thin Clients** under **App Policies**.
- 17 Click **Add Policy** to add the policy to the required group.  
 **NOTE:** Select application as **Latitude\_5280\_1.11.1.exe** and specify install parameter as **/s /f**.
- 18 Update the required fields, and then click **Save**.  
An **Alert** window is displayed.
- 19 Click **Yes**.  
The package is deployed immediately.

## Installing add-on using Wyse Device Manager—WDM

### About this task

Follow these steps to register a package using Wyse Device Manager:

### Steps

- 1 Go to [support.dell.com](http://support.dell.com).
- 2 Click **Product Support**, enter the *Service Tag* of your thin client, and then click **Submit**.  
 **NOTE:** If you do not have **Service Tag**, use the **auto detect** feature or manually browse for your thin client model.
- 3 Click **Drivers and Downloads**.
- 4 From the **Operating system** drop-down menu, select the appropriate operating system.
- 5 Scroll down the page and download the respective .exe file.
- 6 Launch Wyse Device Manager, and login using valid credentials.
- 7 Click **Applications** in the **Dell Wyse Device Manager** dashboard page.  
The options **Images**, **Other Packages**, **Agent Update**, **Device Configuration**, and **PCoIP Device Configuration** are displayed.
- 8 Select **Other Packages**.
- 9 Click **Create Package Plus (+)**.  
The application prompts to download the Package Register utility.
- 10 Click **Allow**.  
The **Create Package** window is displayed.
- 11 Download the .exe file on your local repository.
- 12 Navigate to the folder, and run the **Package Register** utility file.  
The **WDM Package Registration Utility** window is displayed.
- 13 Enter WDM server address and user credentials in the respective fields.
- 14 Select **EXE** to register, and click **Browse**.  
The **WDM Package Uploader** window is displayed with the progress status bar.
- 15 Click **Open**.  
The list of selected packages is displayed.
- 16 Select the appropriate operating system package, select **Latitude\_5280\_1.11.1.exe** application, and provide the silent parameter as **/s /f**.
- 17 Click **Upload**.  
The status is displayed as **Success**.
- 18 Schedule the package to the target client.

# Installing add-on using System Center Configuration Manager 2016—SCCM

## Prerequisites

- 1 Disable the write filter.
- 2 Add the thin client to the SCCM server domain and restart.
- 3 Log in to the thin client with valid SCCM domain credentials.
- 4 Change the time zone and time (HH:MM:SS) according to the SCCM server.
- 5 Go to **Control Panel > Configuration Manager > Site > Configuration Settings**.
- 6 In the **Configuration Manager service location** section, enter the site code.
- 7 In the **Actions** tab, select each action, and click **Run Now**.

A sys-tray pop up message is displayed, and the new software is available for installation.

## Steps

- 1 Adding the device to the device collection—see [Adding device to new device collection](#).
- 2 Creating and distributing a package—see [Creating and distributing a package](#).
- 3 Creating a task sequence—see [Creating a task sequence](#).
- 4 Deploying a task sequence—see [Deploying a task sequence](#).

## Adding device to new device collection

### About this task

To push the add-on to a new device, you must add the new thin client to a new device collection.

### Steps

- 1 Go to **Assets and Compliance > Device Collections**.
- 2 In the **Devices** list, right-click a device, and go to **Add Selected Items > Add Selected Items to Existing Device collection**.
- 3 In the **Device Collections** window, select the device to add to the collection, and click **OK**.
- 4 In the **Assets and Compliance** section, click **Device Collections**, and verify whether the device is added.

## Creating and distributing a package

### About this task

To push the add-on to a thin client, you must create a package for the add-on and distribute the package to the target thin client.

### Steps

- 1 Go to [support.dell.com](http://support.dell.com).
- 2 Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.

 **NOTE:** If you do not have `Service Tag`, use the auto detect feature or manually browse for your thin client model.

- 3 Click **Drivers and Downloads**.
- 4 From the **Operating system** drop-down menu, select the appropriate operating system.
- 5 Scroll down the page and download the respective .exe file.
- 6 Copy the .exe file to a shared folder.
- 7 Expand **Software Library > Overview > Application management > Packages**.
- 8 Right-click **Packages**, and click **Create Package**.
- 9 Enter the package name, description, manufacturer name, language, and version.

- 10 Click **Next**.
- 11 Browse to the source folder where you have copied the add-on files.
- 12 Click **Next**.  
The newly created packages are listed in the **Application Management** under **Package**.
- 13 Select the **Standard Program** option as the program type.  
The **Standard Program** page is displayed.
- 14 Enter the required details, and click **Browse** to navigate to the .exe file location.
- 15 Select the .exe file, and enter `Latitude_5280_1.11.1.exe /s /f /r` in the command line parameter.
- 16 Click **Next**.
- 17 Click **Next** until the window with the **Close** button is displayed.
- 18 Click **Close**.
- 19 Select the package, right-click, and click **Distribute Content**.
- 20 From the **Add** drop-down list, select **Distribution Point**.
- 21 Select an option to schedule job at a specified time, and click **Next**.
- 22 Verify the information that you have provided on the summary page, and click **Next**.
- 23 Click **Close**.
- 24 Right-click the created package, and click **Deploy**.
- 25 Click **Collection**, and browse to the device collection list.
- 26 Select the device, and click **Next**.
- 27 From the **Add** drop-down list, select **Distribution Point**.
- 28 Select the available distribution points, and click **OK**.
- 29 Click **Next** to complete the deployment process.
- 30 Click **Close**.  
The content status is displayed in green. It may take a few minutes to complete the distribution process.

## Creating a task sequence

### About this task

To schedule a package deployment, you must create a task sequence.

### Steps

- 1 Go to [support.dell.com](http://support.dell.com).
- 2 Click **Product Support**, enter the `Service Tag` of your thin client, and then click **Submit**.  
**NOTE:** If you do not have `Service Tag`, use the auto detect feature or manually browse for your thin client model.
- 3 Click **Drivers and Downloads**.
- 4 From the **Operating system** drop-down menu, select the appropriate operating system.
- 5 Scroll down the page and download the respective .exe file.
- 6 Copy the .exe file to a shared folder.
- 7 Expand **Software Library > Overview > Operating System**.
- 8 Right-click **Task Sequence**, and click **Create Task Sequence**.
- 9 In the **New Task Sequence** wizard, select **Create Custom Task Sequence**, and click **Next**.
- 10 Click **Close**.
- 11 Right-click the created task sequence, and click **Edit**.
- 12 From the **Add** drop-down list, go to **Software > Install Package**.
- 13 Select the created package, and click **Apply**.
- 14 Click **OK**.

# Deploying a task sequence

## About this task

To schedule a package deployment, you must deploy the created task sequence.

## Steps

- 1 Go to **Start > All Programs > Microsoft System Center > Configuration Manager Console**.  
The **System Center Configuration Manger** window is displayed
- 2 Click **Software Library**.
- 3 Right click the created the task sequence and deploy it to the required device collection.

# Direct deployment without creating a task sequence

- 1 Go to **Software Library > Application > Created Packages**
- 2 Right click the package which you created.
- 3 Click **Deploy**  
The **Deploy Software** wizard is displayed.
- 4 Click **Browse**.  
Device collection window is displayed.
- 5 Select the device to which you have to deploy the package.
- 6 Click **Next**.
- 7 Go to **Deployment Settings**.
- 8 Select **Required** from the **Purpose** drop-down list.
- 9 Check **Send wake-up packets**.
- 10 Click **Next**.
- 11 Go to **Scheduling**
- 12 Select **As soon as possible** as the installation deadline.
- 13 Go to **User Experience**.
- 14 Check **Software Installation** and **System Restart**.
- 15 Click **Next**.
- 16 Complete the wizard.  
The package is deployed to the target client.

# Known issues

Table 3. Known issues

Issue number	Issue description	Workaround
WS-1700	<b>ME Firmware Endupdate Failed error: 0x00002236</b> is observed when you downgrade the BIOS.	There is no impact on the functionality.
WS-1914	Unable to wake the client from the standby mode by using USB drive, even if the USB wake support function is enabled in BIOS.	There is no workaround.
WS-1866	BIOS flash from SCCM displays an error <b>The task sequence manager could not successfully complete execution of the task sequence</b> on the server side, and the	There is no impact on the functionality.

Issue number	Issue description	Workaround
	client-side notifications are not displayed, but the BIOS is updated successfully.	
WS-2229	On the BIOS screen, you cannot scroll the menu vertically using the mouse scroll wheel.	There is no impact on the functionality.

## Important notes

- Thin clients restart twice after you push the add-on when write filter is enabled.
- Lock screen is disabled when the add-on is pushed using Wyse Device Manager.
- Lock screen is enabled when the add-on is pushed using Wyse Management Suite.
- Connect the thin client to an AC adapter when performing a BIOS flash.
- C:\Temp** and **Task sequence details** folder are not deleted when you update the add-on using SCCM.