Display Adapters and Drivers

9.3 Display Adapters and Drivers

The following display adapters are supported:

- NVIDIA NVS 420
- NVIDIA NVS 510

Verify that you have the latest driver for your NVIDIA graphics card as shown in the following table:

Video Card	Driver Version	Driver Date	Link to Driver
Rev 1	NVS 420	2016.12.14	http://www.nvidia.com/download/
Windows 7	R340 U15 (342.01)		driverResults.aspx/112589/en-us
Rev 2-7	NVS 510	2017.11.6	http://www.nvidia.com/download/
Windows 7	R384 U5 (385.90)		driverResults.aspx/126786/en-us
Rev 2-7	NVS 510	2017.11.6	http://www.nvidia.com/download/
Windows 10	R384 U5 (385.90)		driverResults.aspx/126788/en-us

Figure 9–3 NVIDIA Cards and Drivers

Display Adapters and Drivers

To verify which display adapter and driver are installed:

- → Windows 7 or Windows 10 computer
- **1** Check prerequisites:
 - None
- 2 Open the Device Manager:
 - a Windows 7:
 - 1) Click Windows Start → Computer.
 - Click System Properties → Device Manager. The Device Manager window opens.
 - b Windows 10: Right-click Windows Start and then click Device Manager.
- 3 Click **Yes** at the security prompt.
- **4** Click the triangle next to **Display adapters** to expand it. One of the supported cards should be listed as shown in the following figure:

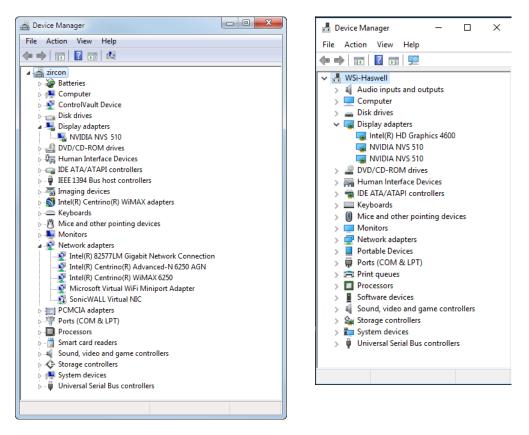


Figure 9–4 NVIDIA Display Adapters

- **5** Right-click on the driver name, and then select **Properties**.
- 6 Click the Driver tab. The Driver Date and Driver Version are displayed.

NVIDIA Quadro NVS 420 Properties	NVIDIA NVS 510 Properties X
General Driver Details Resources	General Driver Details Events Resources
NVIDIA Quadro NVS 420	NVIDIA NVS 510
Driver Provider: NVIDIA	Driver Provider: NVIDIA
Driver Date: 1/29/2016	Driver Date: 6/27/2017
Driver Version: 9.18.13.4195	Driver Version: 22.21.13.8476
Digital Signer: Microsoft Windows Hardware Compatibility Publisher	Digital Signer: Microsoft Windows Hardware Compatibility Publisher
Driver Details To view details about the driver files.	Driver Details View details about the installed driver files.
Update Driver To update the driver software for this device.	Update Driver Update the driver for this device.
Roll Back Driver If the device fails after updating the driver, roll back to the previously installed driver.	Roll Back Driver If the device fails after updating the driver, roll back to the previously installed driver.
Disable Disables the selected device.	Disable Device Disable the device.
Uninstall To uninstall the driver (Advanced).	Uninstall Device Uninstall the device from the system (Advanced).
OK Cancel	OK Cancel

Figure 9–5 NVIDIA Driver Properties

9.4 Using Multiple Monitors

The Company Name supplied desktop and rack-mount computers will accommodate up to six monitors:

- One graphics card Up to four monitors
- Two graphics cards Up to six monitors

See the following sections for instructions:

- "Windows 7" on page 99
- "Windows 10" on page 101

9.4.1 Windows 7

This section describes how to configure multiple monitors in Windows 7.

To configure or reconfigure your monitors in Windows 7:

→ Windows 7 computer

1 Check prerequisites:

None

- 2 Right-click on the desktop and then select **Personalize**.
- 3 In the left pane, click **Display**.
- 4 In the left pane, click **Change display settings**.

Using Multiple Monitors

Control Panel Appearance and	d Personalization	Display Screen Resolution		- <i>∔</i> ₇
		bisping i bereen nesolation		
С	Change the app	pearance of your displays		
				Dete <u>c</u> t Identify
	bi≦play: esolution:	1. HP ZR22w ▼ 1920 × 1080 (recommended) ▼		
_	rientation:	Landscape 👻		
_	his is currently you	Extend desktop to this display 🔻		Advanced settings
		items larger or smaller js should I choose?		
			OK Cance	<u>A</u> pply

5 The number of monitors your graphics card can support are displayed. The following figure shows a four-display configuration:

Figure 9–6 Control Panel, Displays

- **6** Click **Identify** to see the number associated with each of your physical monitors.
- 7 Click Make this my main display for one of the monitors.
- 8 Verify that the cursor moves between the monitors as shown in the following figure:

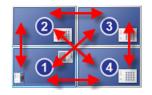


Figure 9–7 Four-Monitor Cursor Movement

Click a monitor icon in the Control Panel window to select it.

Click and drag a monitor icon in the Control Panel window to move it.

You may need to rearrange the physical plugs between the computer and the monitor if you cannot get the configuration you want.

The Product system associates the user interface windows with the monitor numbers. The Product Default Layout feature expects the monitor layout shown above; where the home window is displayed in Monitor 1.

- To save a different layout, create a custom layout and then click Layout → Save Layout.
- To load a different layout, click Layout \rightarrow Load Layout to open custom views.
- To identify the monitor number, refer to the previous instructions.

9.4.2 Windows 10

This section describes how to configure multiple monitors in Windows 10.

To configure or reconfigure your monitors in Windows 10:

→ Windows 10 computer

- **1** Check prerequisites:
 - None
- 2 In the Windows search box, type **disp** and then click **Change display settings**. The **Display Settings** window opens.

Using Multiple Monitors

Settings		- σ ×
Home	Display	
Find a setting P	Select and rearrange displays	Sleep better
System	Select a display below to change its settings. Some settings are applied to all displays.	Night light can help you get to sleep by displaying warmer colors at night. Select Night light settings to set things up.
C Display		Get help setting it up
Notifications & actions	2 3	Have a guestion?
O Power & sleep		Get help
⇔ Storage	1 4	
C8 Tablet mode		Make Windows better Give us feedback
C Multitasking	Identify Detect	
	identify Letters	
Projecting to this PC	Color	
X Shared experiences	Night light	
Remote Desktop	egen syn	
O About	Night light settings	
	Scale and layout	
	Change the size of text, apps, and other items	
	100% (Recommended) V	
	Custom scaling	
	Resolution	
	1920 × 1200 (Recommended) V	
	Orientation	
	Landscape v	
	Multiple displays	
	Multiple displays	
	Extend desktop to this display \sim	
	Make this my main display	
Type here to search	0 😌 📾 💼 😰 🎯 🖩 🗐 📾 😨 🔛 📴 🙃	x ^A ∧ 12 01 2/27/2018 □

3 The number of monitors your graphics card can support are displayed. The following figure shows a four-display configuration:

Figure 9–8 Control Panel – Displays

- 4 Click **Identify** to see the number associated with each of your physical monitors.
- 5 In the Multiple Displays area, click Extend these displays.
- 6 In the **Multiple Displays** area, click **Make this my main display** for the number one monitor.
- 7 Verify that the cursor moves between the monitors as shown in the following figure:

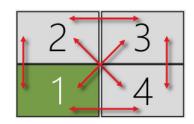


Figure 9–9 Four-Monitor Cursor Movement

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Click a monitor icon in the Control Panel window to select it.

Click and drag a monitor icon in the Control Panel window to move it.

You may need to rearrange the physical plugs between the computer and the monitor if you cannot get the configuration you want.

The Product system associates the user interface windows with the monitor numbers. The Product Default Layout feature expects the monitor layout shown above; where the home window is displayed in Monitor 1.

- To save a different layout, create a custom layout and then click Layout → Save Layout.
- To load a different layout, click Layout \rightarrow Load Layout to open custom views.
- To identify the monitor number, refer to the previous instructions.

9.5 Installing a Plotter

This section describes how to install the *iSys Group v12 Direct Thermal Printer* plotter on a computer running the Microsoft Windows 7 or Microsoft Windows 10, 64-bit operating system.

9.5.1 Install the Hardware

This section describes how to set up the plotter.

To install the plotter:

→ Windows 7 or Windows 10 computer

- **1** Check prerequisites:
 - ✓ All of the plotter parts are available
 - ✓ An Ethernet cable is available
 - ✓ A computer with an Ethernet port is available
 - ✓ An AC power outlet is available
 - The V12 User Guide is available (http://www.isys-group.com/s/V12-User-Guide-web.pdf)