

Avigilon NVR5 Standard 10GbE Kit Installation Guide

Installation Guide

NVR5-STD-10GBE

For

NVR5 STD 16TB-64TB

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Introduction

Avigilon provides an optional 10GbE Upgrade Kit for the NVR5 Standard 16-64 TB. This kit provides you with high-speed Ethernet ports for faster connections to your security network of ACC Servers and Clients.

Part Number	Description
NVR5-STD-10GBE	NVR5 Standard 10GbE Upgrade Kit

Confirm Package Contents

Confirm that the kit you are installing contains the following components:

- 1 × 2-port 10GbE PCIe card

Recommended Tools

The following tools are not included in the kit package, but are needed to complete the installation:

- Phillips #2 screwdriver
- Wrist-grounding strap connected to the ground
- ESD Mat

Important: It is recommended that you always use an antistatic mat and antistatic strap while working on components inside the system.

Installing the NVR5 10GbE Kit

Note: If the NVR5 is an operating part of your security system, be aware that it must be shut down to complete this procedure.

Before starting to install the kit:

1. Turn off the NVR5, including all attached peripherals. Press the power button on the front panel, and wait for the light to stop blinking to indicate shutdown is complete.



WARNING — Opening or removing the system cover while the system is powered on may expose you to a risk of electric shock.

2. Disconnect the NVR5 from the electrical outlet and disconnect the peripherals.
3. Remove all network, power and peripheral cables from the NVR5.
4. If applicable, remove the NVR5 from the rack.

Important: Whenever you need to lift the system, get others to assist you. To avoid injury, do not attempt to lift the system by yourself.

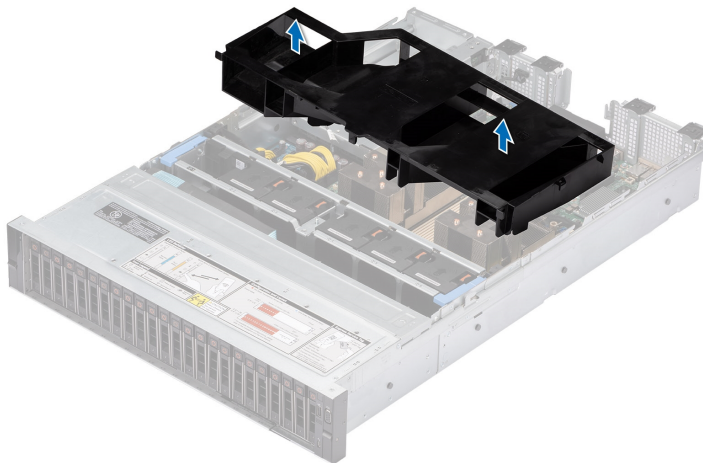
Opening the Cover

1. At the top of the NVR5, unlock the latch release then lift and rotate the latch towards the back of the unit. The cover slides back and is released from the body.

Tip: Use a Phillips #2 screwdriver to remove the shipping screws before unlatching the cover if you are removing the cover of an NVR5 for the first time.



2. Remove the air shroud by holding it at both ends and lifting it away from the system.



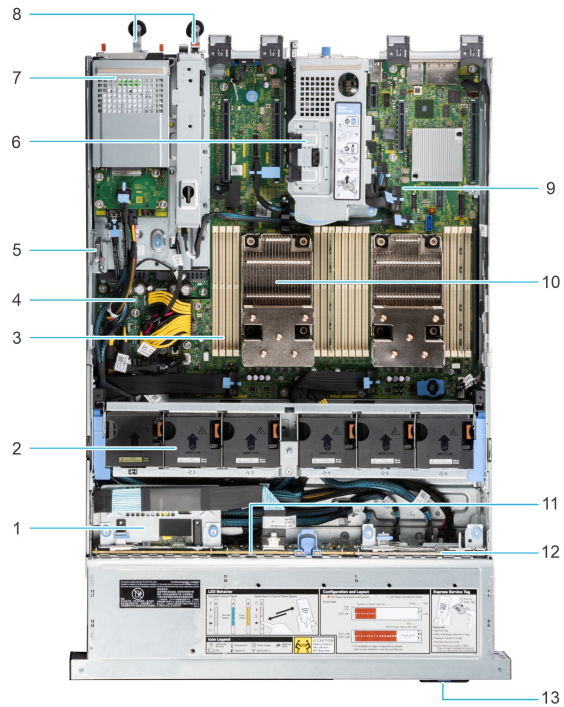
3. View the interior of the NVR5 and identify the locations where the components of the kit will be installed.

The view below shows the details of an NVR5 with all of the covers and cards removed, and important components labeled with numbers.

The components affected by the NVR5 10GbE Upgrade Kit are:

- 6—Expansion card riser

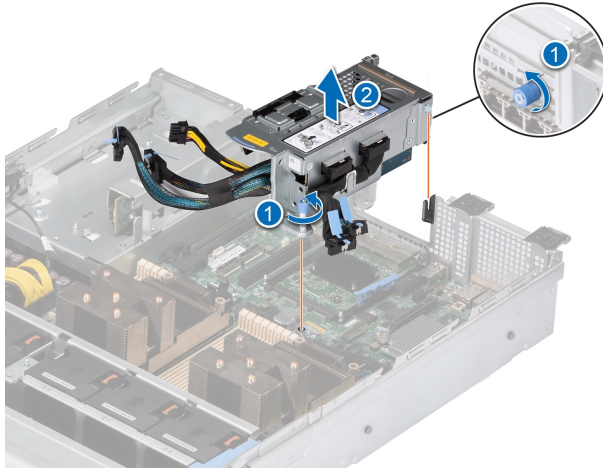
The 10GbE card will be installed under this expansion riser.



Removing the expansion card riser

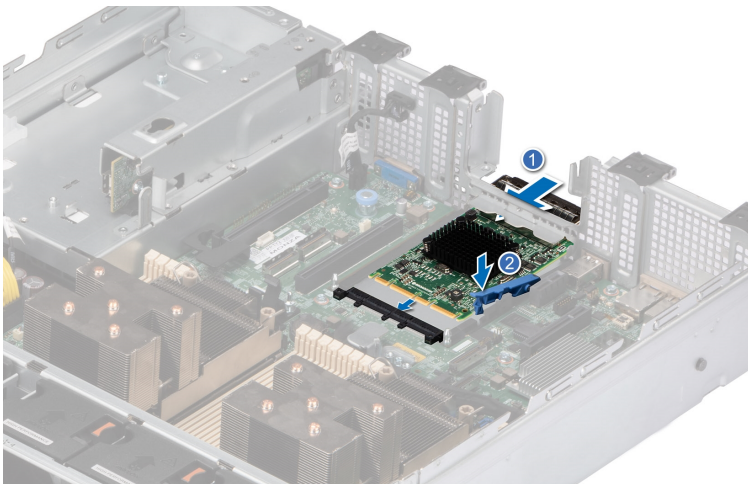
With the NVR5 open:

1. Disconnect all the riser cables from the expansion riser pointed out in the previous chapter.
2. Loosen the two thumb screws with Phillips #2 screwdriver and pull up the expansion card riser:



Installing the 10GbE Card

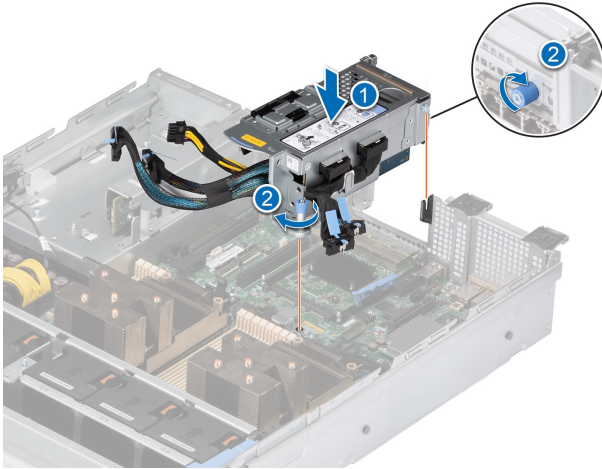
1. Unpack the 10GbE card.
2. Open the blue latch on the system board.
3. Slide the OCP card into the slot in the system.
4. Push until the OCP card is connected to the connector on the system board.
5. Close the blue latch to lock the OCP card to the system.



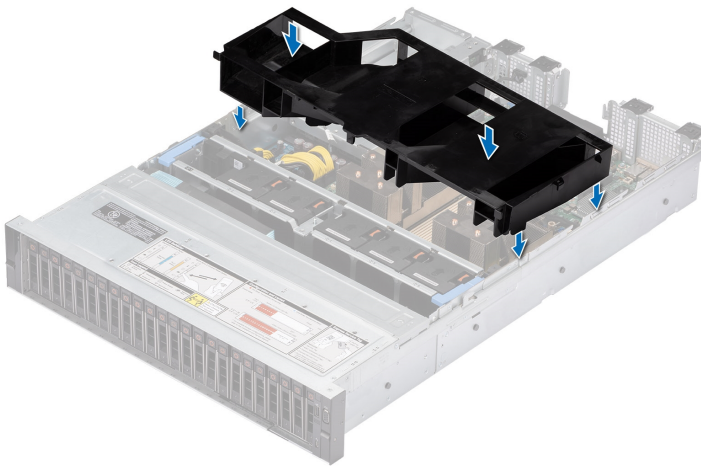
Reattaching the Cover

When all the components of the kit have been installed:

1. Ensure all expansion card latches are closed and there are filler covers for all empty slots.
2. Reconnect all the expansion card riser cables to the system board.
3. Align and fasten the expansion card riser thumb screws.



4. Reinstall the top of the cooling shroud:
 - a. Align the slot on the air shroud with the standoff in the system.
 - b. Lower the air shroud into the system until it is firmly seated.



5. Close and lock the NVR5 cover.
6. If the NVR5 was rack mounted and removed to install the kit, remount it into the rack.





7. Reconnect all the peripherals and cables.

Important: Ensure that both of the power supplies are connected to main power. The upgraded NVR5 requires both power supplies to properly function.

8. Power on the NVR5.

Confirming the Installation

From an ACC Client running on a workstation with a network connection to the ACC site associated with the NVR5:

1. Log in to ACC site.
2. Click  in the menu bar and scroll down and click **Site Setup**.
3. In the Search panel, click  to expand the site containing the NVR5 in which the 10GbE card is installed.
4. Navigate to (or search for) the upgraded NVR5 and click .
5. Verify that the NVR5 has one additional 10GbE adapter with two ports available:
 - a. In the System Explorer, select the upgraded NVR5 server.
 - b. In the New Task menu , click **Site Health**.
 - c. Under the Network Adapters heading, there should be two new ports installed in the OCP port. These new ports should have a Link Speed of 10Gbps.

Limited Warranty

Avigilon warranty terms for this product are provided at [avigilon.com/warranty](https://www.avigilon.com/warranty).

For More Information

For additional product documentation and software and firmware upgrades, visit support.avigilon.com.

Technical Support

Contact Avigilon Technical Support at support.avigilon.com/s/contactsupport.