

Avigilon NVR5 10G Base-T Kit Installation Guide

Installation Guide

NVR5-10GBASET-B

For

NVR5 PRM 252TB-432TB

© 2022, Avigilon Corporation. All rights reserved. AVIGILON, the AVIGILON logo, AVIGILON are trademarks of Avigilon Corporation. Intel is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries. Other names or logos mentioned herein may be the trademarks of their respective owners. The absence of the symbols ™ and ® in proximity to each trademark in this document or at all is not a disclaimer of ownership of the related trademark.

This document has been compiled and published using product descriptions and specifications available at the time of publication. The contents of this document and the specifications of the products discussed herein are subject to change without notice. Avigilon Corporation reserves the right to make any such changes without notice. Neither Avigilon Corporation nor any of its affiliated companies: (1) guarantees the completeness or accuracy of the information contained in this document; or (2) is responsible for your use of, or reliance on, the information. Avigilon Corporation shall not be responsible for any losses or damages (including consequential damages) caused by reliance on the information presented herein.

Avigilon Corporation
avigilon.com

20221109

Table of Contents

- Introduction 4
 - Confirm Package Contents 4
 - Recommended Tools 4
- Installing the NVR5 10G Base-T Kit 5
 - Opening the Cover 6
 - Installing the 10G Base-T Card in Slot 4 of Expansion Riser 7
 - Reattaching the Cover 8
 - Confirming the Installation 8
- For More Information 9

Introduction

Avigilon provides an optional 10G Base-T Kit for the NVR5 Premium 252-432 TB. This kit provides you with two high-speed Ethernet ports for faster connections to your security network of ACC Servers and Clients.

Important: A CAT6 or higher rated cable is needed to utilize 10G speeds using the 10G Base-T card.

Part Number	Description
NVR5-10GBASET-B	NVR5 Premium 10G Base-T Kit (252TB-432TB)

Confirm Package Contents

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

- 1 × 2-port 10G Base-T PCIe Card

Recommended Tools

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

- 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 10G Base-T 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.



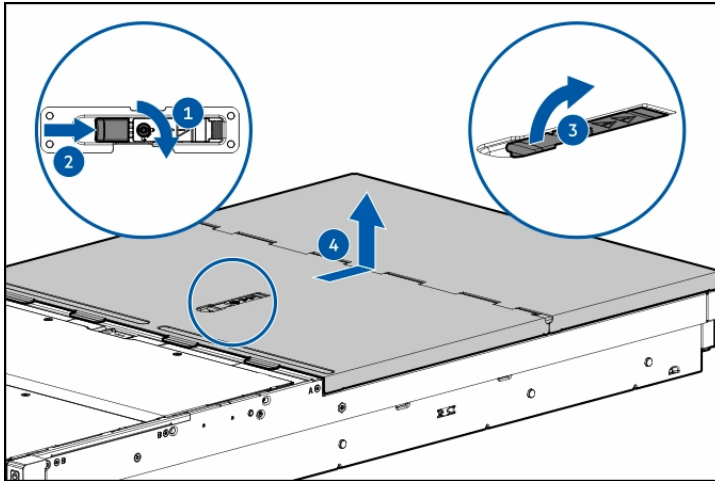
WARNING — Opening or removing the system cover while the system is powered on may expose you to a risk of electric shock.

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 system from the rack and place on a flat, level surface.

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. Remove the complete access panel.

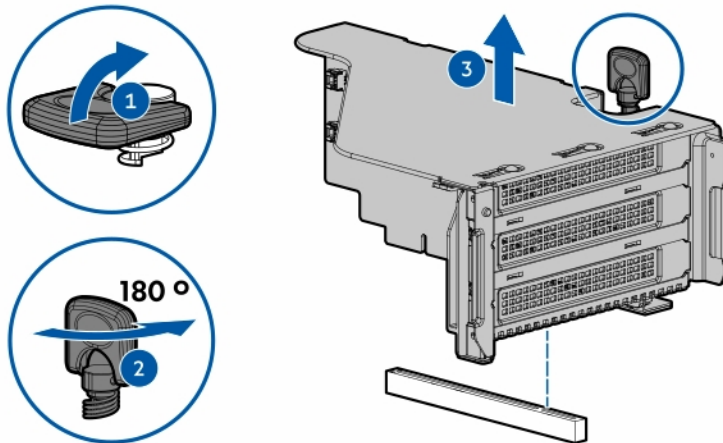


- a. If necessary, unlock the access panel latch.
- b. Press the release button.
- c. Pull up the latch to disengage the access panel from the chassis.
- d. Slide the access panel toward the rear of the server and lift it from the chassis.

Installing the 10G Base-T Card in Slot 4 of Expansion Riser

With the NVR5 open:

1. Unpack the 10G Base-T card.
2. If expansion boards with internal cabling are installed on the PCI riser cage, disconnect all internal cables from the expansion boards to remove the cage from the server.
3. Remove the PCI riser cage.



4. Install the 10G Base-T card in slot 4 of the expansion riser:
 - a. Slide the card into the slot guide opposite the connector to align the connector on the card with the connector on the riser.
 - b. Insert the card edge connector firmly into the expansion card connector until the card is fully seated.
 - c. After the card is installed, close the expansion card latch.
5. Reinstall the PCI riser cage back into the NVR5 and reconnect any internal cables from the expansion boards.

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. Close and lock the NVR5 access panel.
3. If the NVR5 was rack mounted and removed to install the kit, remount it into the rack.
4. Reconnect all the peripherals and cables.

Important: Ensure that both of the 1000W power supplies are connected to main power. The upgraded NVR5 requires both power supplies to properly function.

5. 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 10G 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 PCIe slot 4. 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.