



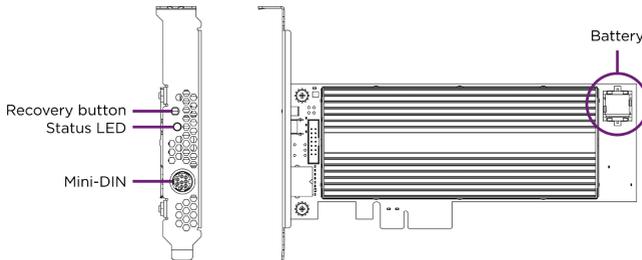
Entrust nShield® 5s Quick Start Guide

This guide shows how to set up an nShield 5s for the first time and to start using it with the nShield Security World software. For more detailed information about setup procedures and options, see the *nShield 5s Installation Guide* and appropriate chapters of the *nShield 5s User Guide*.

1. Power off the computer into which you are going to install the nShield 5s. This can be either a desktop PC or a server.
2. Open the computer case and locate an empty PCIe x4 slot. See the instructions that your computer manufacturer supplied to correctly identify the slots on your computer.
 - **For a desktop PC**, Entrust suggests that an adjacent slot is used to house a cooling fan.
 - **For a server**, cooling fans will already be present. However, some configuration of fan speed and direction within the server may be required.

For full details, see the *Temperature Monitoring for Airflow Validation* section in the *nShield 5s User Guide*.

3. Taking Electrostatic Discharge (ESD) precautions, remove the nShield 5s from its packaging.

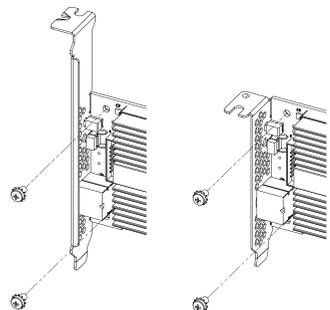


4. Check the nShield 5s to ensure that there is no sign of damage or tampering.
 - NOTE** - If the nShield 5s has been supplied from the factory, it will be in factory state.
 - Check the epoxy resin security coating for obvious signs of damage.
 - If you intend to install the nShield 5s with an external smart card reader, check the cable for signs of tampering. If evidence of tampering is present, do not use and request a new cable.
5. If there is a blanking plate across the opening to the PCI-e x4 slot, remove it.
6. Check that the fitted mounting bracket on the nShield 5s is the correct height for the slot.

If the bracket is not the same height as the slot, replace it with the correct bracket. Both full-height and low-profile brackets are supplied with the nShield 5s.

NOTE - Do not touch the connector pins or the exposed area of the nShield 5s without taking ESD precautions.

- a. Remove the two screws from the solder side of the nShield 5s.
- b. Remove the incorrect bracket.
- c. Fit the correct bracket to the component side of the nShield 5s.
- d. Insert the two screws into the solder side of the nShield 5s to secure the bracket. Do not over tighten the screws.

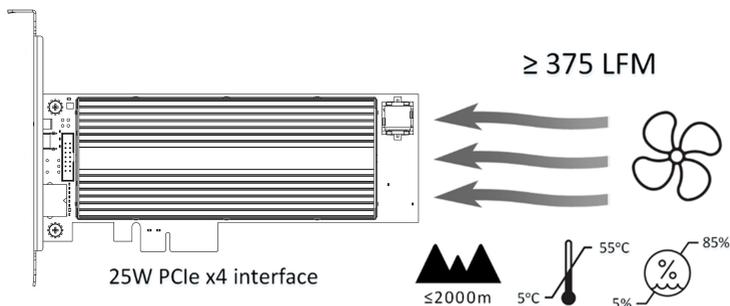


7. Insert the contact edge of the nShield 5s into the empty slot.
Press the card firmly into the connector to ensure that:
 - The contacts are fully inserted in the connector.
 - The back panel is correctly aligned with the access slot in the chassis.
8. Use the bracket screw or fixing clip to secure the nShield 5s to the computer chassis.
9. Replace the cover of the computer case.
10. (Optional) Connect the external smart card reader to the mini-DIN connector on the back panel of the nShield 5s. A D-sub to mini-DIN adapter cable is supplied with the nShield 5s.
11. Power the computer up.
The LED on the rear of the nShield 5s card will initially show green (power on) but will change to solid cyan (booting) and then solid blue (idle) after the reboot of the card completes.
12. If the Security World software has not already been installed into your HSM estate, you must now install it.

To configure the installed nShield 5s (including the installation of Security World software), see the *nShield 5s Installation Guide*.

Entrust nShield® 5s Ventilation

The ventilation requirements of the nShield 5s are shown below:



- **For a desktop PC**, Entrust suggests that an slot adjacent to the nShield 5s is used to house a cooling fan.
- **For a server**, cooling fans will already be present. However, some configuration of fan speed and direction within the server may be required.

For full details of cooling requirements, see the *Temperature Monitoring for Airflow Validation* section in the *nShield 5s User Guide*.

Product documentation



<https://nshielddocs.entrust.com>