

SwitchBlade Bandwidth Expander Quick Install Guide



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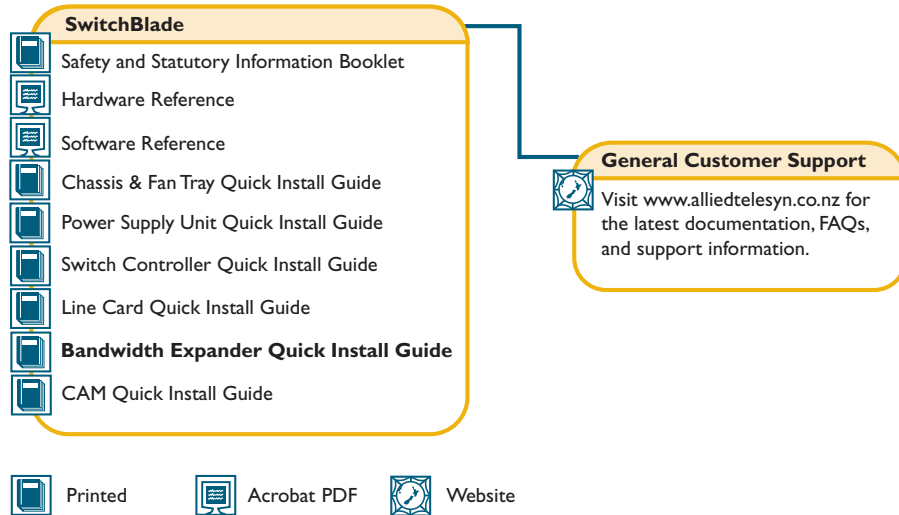
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Documentation Roadmap



Models Covered By This Guide

This Quick Install Guide includes information on installing the following bandwidth expander:

- AT-SB4251 Bandwidth Expander

Information on installing switch controllers can be found in the *SwitchBlade Switch Controller Quick Install Guide*.

Quick Install Guide updates can be downloaded from www.alliedtelesyn.co.nz/support/switchblade/.

Package Contents

The following items are included with each bandwidth expander. Contact your sales representative if any items are damaged or missing.

- One bandwidth expander.
- One Bandwidth Expander Quick Install Guide.
- One Safety and Statutory Information booklet.
- One warranty card.

Installing A Bandwidth Expander



Bandwidth expanders can be hot swapped. There is no need to power down the switch when installing or removing a bandwidth expander.

Follow these steps to install a bandwidth expander:

1. Read the safety information

The *SwitchBlade Safety and Statutory Information* booklet includes all relevant safety information. A copy of the safety booklet is supplied with each bandwidth expander. A PDF version can be found on the CD-ROM that ships with every switch controller and every chassis, or can be downloaded from www.alliedtelesyn.co.nz/support/switchblade/.

2. Gather the tools and equipment you will need

To loosen or secure the bandwidth expander's mounting screws you will need a Phillips #2 screwdriver.

3. Prepare the bandwidth expander

In an antistatic environment, remove the bandwidth expander from its packing material. Be sure to observe ESD precautions.



Do not attempt to install a bandwidth expander without observing correct antistatic procedures. Failure to do so may damage the bandwidth expander and chassis. If you are unsure what the correct procedures are, contact your authorised Allied Telesyn distributor or reseller.



An ESD socket is provided on the front panel of the SwitchBlade chassis. The socket is designed to be used in conjunction with an ESD wrist strap.

4. On switch controller bay B, remove the faceplate, existing switch controller or existing bandwidth expander



Bandwidth expanders can only be installed in the SwitchBlade 4 (AT-SB4104) chassis, and can only be installed in switch controller bay B.

To remove a blank faceplate:

Loosen the faceplate's two Phillips mounting screws until they disengage from the chassis, then remove the faceplate.



Keep the faceplate for future use. If you should remove the bandwidth expander, replace the faceplate to prevent dust and debris from entering the chassis and to maintain proper airflow.



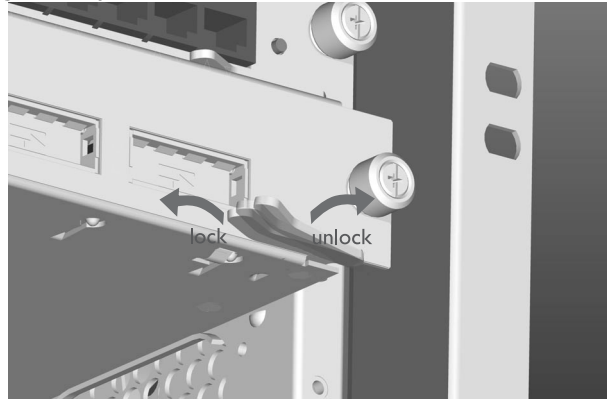
The switch may overheat or be damaged by dust and debris if bays are left uncovered.

To remove an existing switch controller or bandwidth expander:

Loosen the controller's or expander's two Phillips screws until they disengage from the chassis.

Move the controller or expander ejector levers to the unlocked position (see Figure 1 on page -5).

Slide the controller or expander out of the chassis, keeping the card in a straight alignment so that it doesn't jam.

Figure 1: Ejector levers.**5. Insert the new bandwidth expander**

Make sure the expander's metal back-panel is aligned with the card guides (see Figure 2 on page -5).

With the ejector levers in the unlocked position (see Figure 1 on page -5), carefully slide the expander into the chassis.



When inserting a bandwidth expander, take care to slide the expander's metal back-panel along both guides at an equal rate. If an expander becomes tight, it must not be forced. Instead, gently withdraw the expander and try again, taking extra care to keep the expander aligned with the card guides. Forcing a misaligned or jammed bandwidth expander is likely to damage the expander or chassis.

The ejectors' locking mechanisms should align with their slots in the chassis (see Figure 3 on page -6).

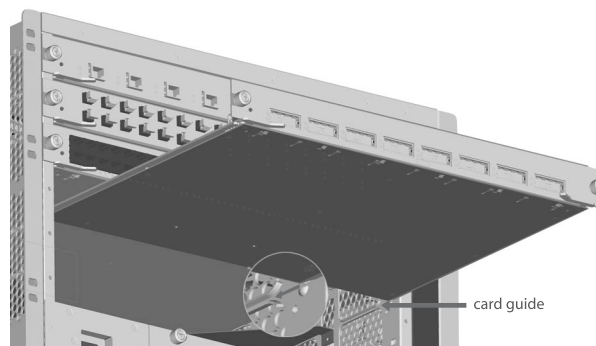
Figure 2: Card guides.

Figure 3: Ejector lever and locking slot.



6. Secure the bandwidth expander

Move the ejector levers to the locked position and tighten the expander's two Phillips screws (see Figure 1 on page -5).

7. Verify the installation

Use the `SHOW SYSTEM` command to verify that the switch has recognised the bandwidth expander. If there is no bandwidth expander entry in the output, recognition has failed.

If recognition fails, repeat the installation process, paying particular attention to steps 5 and 6.

If the reinstallation fails, see the *SwitchBlade Hardware Reference*, which has further troubleshooting information.

Where To Find More Information

Sources of further information:

- The Documentation and Tools CD-ROM, bundled with every switch controller and every chassis, contains the complete Documentation Set for your switch and its expansion options, as well as tools for managing the switch.
- The *SwitchBlade Safety and Statutory Information* Booklet provides safety and statutory information for the SwitchBlade and its accessories.
- The *SwitchBlade Hardware Reference* provides detailed information on the switch and its hardware features.
- The *SwitchBlade Software Reference* provides detailed information on configuring the switch and its software.
- The *SwitchBlade Power Supply Unit Quick Install Guide* outlines the procedure for installing AC and DC power supply units.
- The *SwitchBlade Switch Controller Quick Install Guide* outlines the procedure for installing switch controllers.
- The *SwitchBlade Chassis and Fan Tray Quick Install Guide* outlines the procedure for installing chassis and fan trays.
- The *CAM Quick Install Guide* outlines the procedure for installing Content Addressable Memory.
- www.alliedtelesyn.co.nz/support/switchblade/