

ATCA-8310

Quick Start Guide

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1 Box contents

Make sure you receive all items of your shipment:

- One ATCA-8310 blade
- One printed copy of Quick Start Guide (this document)
- One printed copy of Safety Notes Summary

Purchase a power input cable for each PSU to operate the system (see step 6).



When installing or servicing the system or accessories, strictly observe the safety precautions in the *Safety Notes Summary*. Ignoring these instructions can void the system warranty and cause personal injury or property damage.

2 ESD

Use ESD protection



Electrostatic discharge and incorrect installation or removal of the card can damage circuit or shorten its life.

Use a properly grounded ESD wrist strap or work in an ESD-safe environment.

Connect to the ESD connector at the front or the rear of the system.

3 Site preparation

- Make sure that all environmental and power requirements defined in the *ATCA-8310 Installation and Use* manual are met.
- Operating temperatures refer to the temperature of the air circulating around the blade and not to the actual component temperature.

For more information about connecting cables and power cords, refer to the *ATCA-8310 Installation and Use* manual.

4 Install the DIMM

Notes:

- Some blade variants come with the DIMM preinstalled.
- When installing DIMM memory modules the DIMM sockets farthest away on each memory channel from the CPU device need to be populated first.
- For thermal reasons, no 4-rank DIMMs and no dual-die DIMMs are allowed.

1. If necessary, remove the blade from the system.
2. Open the locks of the memory module socket.
3. Press the memory module carefully into the socket. As soon as the memory module is fully inserted, the locks automatically close.
4. If necessary, repeat steps 2–3 to install additional memory modules.

5 Install the ATCA-8310

The following procedure assumes that your system is powered. If your system is unpowered, you can disregard the blue LED and skip the respective step.

1. Ensure that the top and bottom ejector handles are in the outward position by squeezing the lever and the latch together.
2. Insert the blade into the shelf by placing the top and bottom edges of the blade in the card guides of the shelf. Ensure that the guiding module of the shelf and blade are aligned properly.
3. Apply equal and steady pressure to the blade to carefully slide the blade into the shelf until you feel resistance. Continue to gently push the blade until the blade connectors engage.

4. Squeeze the lever and the latch together and hook the lower and the upper handle into the shelf rail recesses.
5. Fully insert the blade and lock it to the shelf by squeezing the lever and the latch together and turning the handles towards the face plate.

If your shelf is powered, as soon as the blade is connected to the backplane power pins, the blue LED is illuminated.

When the blade is completely installed, the blue LED starts to blink. This indicates that the blade announces its presence to the shelf management controller.

Note: If the RTM is connected to the front blade, make sure that the handles of both the RTM and the front blade are closed to power up the blade's payload.

6. Wait until the blue LED is switched off, then tighten the face plate screws which secure the blade to the shelf.
The switched off blue LED indicates that the blade's payload has been powered up and that the blade is active.
7. If necessary, connect cables to the face plate.



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Technical Assistance

For technical assistance or to report product damage or shortages, contact your local SMART Embedded Computing sales representative or visit <https://www.smartembedded.com/ec/support/>

Get More Information



For more information on this product, see the *ATCA-8310 Installation and Use* manual and other related technical documentation, which can be found by using the Documentation Search at <https://www.smartembedded.com/ec/support/>.

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