

ATCA-F125 Quick Start Guide

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1 Box contents

Make sure you receive all items of your shipment:

- One ATCA-F125 blade
- One printed copy of Quick Start Guide (this document)
- One printed copy of Safety Notes Summary
- Other items that were ordered



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-F125 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.

4 Install the SATA storage

1. Attach the standoffs to the appropriate holes in the HDD.
2. Attach the tape to the HDD making sure the vent hole of the HDD is not covered.
3. Assemble the SATA mounting plate to the two brackets using four M3x3 mm screws
4. Attach the brackets to the HDD using four M3x3 mm screws.
5. Install the HDD assembly and secure it from the bottom side using the four M3x5 mm screws. Torque should be based on manufacturer's recommendation.

5 Install the QSFP+/SFP+ modules

1. Slide the QSFP+/SFP+ module into the slot until it locks into position.
2. Remove the optical port plug.
3. Connect the network cable to the QSFP+/SFP+ module.

6 Install the PrAMC

1. If the AMC bay is occupied by an AMC filler panel, remove it first.
2. Make sure that the AMC module handle is in the extracted position: pulled outward, away from the face plate.
3. Carefully slide the AMC module into the guide rails until resistance is felt.

4. Apply equal and steady pressure on the face plate as necessary until the module is fully engaged with the connector. Avoid using excessive force.
5. Press the module handle inwards toward the face plate to lock the AMC module into the AMC bay.

7 Install the blade



If a Rear Transition Module (RTM) is needed, install and secure it first according to the *RTM-ATCA-F125 Installation and Use* before installing the front blade.

NOTE: The following procedure assumes that the system is powered. If the system is unpowered, disregard the blue LED and skip its 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. 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 the shelf is powered, the blue LED is illuminated as soon as the blade connects to the backplane. When the blade is completely installed, the blue LED will blink, indicating that the blade is connecting 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 in order to power up the blade's payload.

6. When the blue LED is off, tighten the face plate screws to 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-F125 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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