

RTM-ATCA-F140 Series Quick Start Guide

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1 Box contents

Make sure you receive all items of your shipment:

- One RTM-ATCA-F140 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 make 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 *RTM-ATCA-F140 Series 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 RTM

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

1. Visually inspect the RTM and zone 3 connectors on the front blade for damage or bent pins before attempting to insert a board. If any connector damage or pin damage is observed, stop before inserting the RTM and send the damaged item through proper repair channels.
2. If the corresponding front blade is already installed, perform the following steps. Otherwise skip to step 3.
 - On the front blade, verify the face plate screws that secure the blade to the shelf are tight.
 - Deactivate the front blade. Unlatch the lower handle by squeezing the lever and the latch together and turning the handle outward only enough to unlatch the handle from the face plate. Do not rotate the handle fully outward.
 - When the blue LED on the front blade is permanently illuminated, proceed to the next step.
3. Ensure that the top and bottom ejector handles on the RTM are in the outward position by squeezing the lever and the latch together.
4. Insert the RTM into the shelf by placing the top and bottom edges of the RTM in the card guides of the shelf. Ensure that the guiding module of the front blade and RTM are aligned properly.
5. Apply equal and steady pressure to the RTM to carefully slide the RTM into the shelf until you feel resistance. Continue to gently push the RTM until the connectors engage.
6. Squeeze the lever and the latch together and hook the lower and the upper handle into the shelf rail recesses.
7. 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.

8. Tighten the face plate screws which secure the RTM to the shelf.
9. If the front blade has already been installed (as in step 2), activate the front blade by squeezing its lower lever and latch together and press it back into the face plate.
10. If the front blade has not been installed, proceed with the installation instructions in the front blade installation and use manual.

Note: Make sure that the handles of both the RTM and the front blade are closed in order to power up the blade and RTM payload.

When the blue LED of the RTM is switched OFF and the green LED OK is switched ON, indicates that the payload of the RTM has been powered up and that the RTM is active.

11. Connect cables to the face plate, if applicable.

5 Removing the RTM

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. On the front blade, unlatch the lower handle by squeezing the lever and the latch together and turning the handle outward only enough to unlatch the handle from the face plate. Do not rotate the handle fully outward.
2. Wait until the front board blue LED is illuminated permanently.

Note: If the LED continues to blink, a possible reason may be that upper layer software rejects the blade extraction request.

3. Remove face plate cables, if applicable.
4. Unfasten the screws of the RTM face plate until the RTM is detached from the shelf.
5. Unlatch the RTM upper and lower handles and rotate fully outward.
6. Remove the blade from the shelf.



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 the product, see the *RTM-ATCA-F140 Series Installation and Use* manual and other related technical documentation, which can be found using the Documentation Search at <https://www.smartembedded.com/ec/support/>.



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