

MaxCore™ MC3000 Rail Kit Installation Quick Start Guide

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1 Box contents

Make sure you receive all items of your shipment:

- One MaxCore MC3000 Rail Kit.
- One printed copy of Quick Start Guide (this document)
- 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 Rail kit components

The Rail Kit components include:

- One Rail Kit - Two Rack Member Assemblies with Chassis Member Rails and pre-installed Front Short Bracket
- Two Rear Long Brackets
- 12 (#8-32) Chassis/Rail Screws
- 8 (#10-32) Rack/Rail Thumb Screws

4 MaxCore rackmount slides installation

Note: Equipment racks with tapped holes will not work for this installation. The rack must have square or round holes that will allow the rail brackets to be mounted behind the rack rails for the screws to go through the opening and thread into the pressed-in nuts mounted into the rail mounting brackets.

1. Slide out the Chassis Member Rail and release it from the Rack Member Assembly.
2. Align the locking bracket to collapse Rack Member Assembly and then press upwards or downwards to release and pull out Chassis Member Rail.
3. Attach Chassis Member Rail to both sides of the MaxCore system using the chassis/rail screws included in the kit.
4. Install Rear Long Brackets to both sides of the rack using the rack/rail thumb screws included in the kit.
5. Install Rack Member Assembly (with Short Bracket pre-installed) on both sides to front side of the rack using rack/rail thumb screws included in the kit. Do not tighten the screws at this point of time.
6. Press the rail into the rear bracket firmly and install the chassis/rail screws on both sides.
7. On the front side of the rack, extend the slides to fully locked position and bring ball retainer on both the sides. After that, align rail with the black plastic lead-in pins.

8. Lift the MaxCore system with the Chassis Member Rails installed and align both sides of the rails into the black plastic lead-in bracket from both sides and push the chassis back until it locks.
Note: A two-person effort is required for this operation due to weight and alignment needs.
9. Slide MaxCore system into the rails until it locks. Lift the lever on the left hand side upwards and the lever on the right hand side downwards to unlock and then slide the chassis back into the rack position.
10. Check slide alignment by sliding chassis constantly backward and forward.
Note: Any sign of binding indicates lateral stress or misalignment. Adjust slide position until movement is smooth.
11. Loosen screws from both front and rear sides until the system slides without binding.
12. Secure MaxCore system to the rack using customer provide hardware on both sides and also secure rails by tightening the pre-installed screws on both sides (on both front and rear sides).

For more detailed description about rail kit installation, refer to the *MaxCore Rackmount Slides Installation* section in the *MaxCore MC3000 Platform Installation and Use* manual.

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 *MaxCore™ MC3000 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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