

COMX-CORE Series Quick Start Guide

P/N:6806800K13B (August 2014)

1 What's in the box?

Make sure you receive all items of your shipment:

- One COMX-CORE Series COM Express module
- One printed copy of *Quick Start Guide* (this document)
- One printed copy of *Safety Notes Summary*
- Any other optional items that you ordered



When installing or servicing the module or accessories, strictly observe the safety precautions in the *Safety Notes Summary*. Otherwise, personal injury or property damage may occur.

2 Observe ESD-safe measures

- Use either a properly grounded ESD wrist strap or make sure that you are working in an ESD-safe environment.
- Connect to the ESD connector at the front or the rear of the system.

3 Prepare the installation site

- For information on the environmental and power requirements, see the *COMX-CORE Series Installation and Use* manual.
- The COMX-CORE Series module must be in good condition, without defects such as oxidation, chemical corrosion, missing components, or transportation damage.
- Confirm the position where the COMX-CORE Series module will be installed.

4 Install the memory module

1. Wear an ESD-preventive wrist strap.
2. Lay the COMX-CORE Series module on an ESD workbench.
3. Take the memory module out of the antistatic package, holding it by its edges.
4. Line up the notch located on the row of the metal pins at the bottom of the memory module with the key in the SODIMM slot on the board.
5. Insert the memory module into the top side SODIMM memory socket.
6. Press down on the memory module against the COMX-CORE Series module until you hear it snap into place.
7. The modules must be properly aligned before you press it down into its final position.
Note: You can remove the module from the socket and reinstall it if you cannot easily press it down into its final position.
8. If needed, install a second memory module on the memory socket on the back of the module.



Do *not* touch the memory chips when handling the module.
Do *not* press on the memory chips when you push it into its final position.
Do *not* touch the metal pins.



5 Install the eUSB flash disk

1. Align and then insert the connector of the eUSB flash disk to the connector on the COMX-CORE Series module.
2. Use an M3 x 6 mm screw (0.45 N·m of torque is recommended) to fasten the eUSB flash module to the stand off.

6 Install the heat spreader

1. Check the thermal interface material pads on the heat spreader/ cooler. Make sure the pads are aligned to their corresponding components on the COMX-CORE Series module.
2. Align the standoffs of the heat spreader/ cooler with the screw holes on the module.
3. Hold the heat spreader/cooler and the module together and then turn them over.
4. Attach the heat spreader/ cooler to the module by using seven standoffs (male/female type). 0.45 N·m of torque is recommended.

7 Install COMX-CORE Series on the carrier board

1. Line up the board-to-board connector of the COMX-CORE Series module with the board-to-board connector of the carrier board.
2. Make sure that the interconnectors are properly aligned, and that the seven standoffs have contact with the top of the carrier board.
3. Turn over the COMX-CORE Series module and the carrier board.
4. From the back of the carrier board, locate the seven screw holes.
5. Use the screws (0.45 N·m of torque is recommended) to fasten the COMX-CORE Series module assembly to the carrier board.

Finding more information

For more information on the product, see the *COMX-CORE Series Installation and Use* and other related documentation.

Visit our Web site <http://www.artesyn.com/computing>. Use SUPPORT>TECHNICAL DOCUMENTATION link to look for technical documentation.

Technical Assistance

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