

MATXM-CORE-411-WR

Quick Start Guide

P/N:6806800L45B (September 2014)

1 What's in the box?

Make sure you receive all items of your shipment:

- One MATXM-CORE-411-WR
- One printed copy of Quick Start Guide (this document)
- One printed Safety Notes Summary
- Motherboard
- Midplane
- CPU
- CPU cooler
- Memory module
- Cables
- IO shield
- Driver CD
- USB sticks
- Any other optional items ordered



When installing or servicing the module or accessories, strictly observe the safety precautions in the Safety Notes. 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 *MATXM-CORE-411-B Installation and Use* manual.
- The MATXM-CORE-411-B must be in good condition, without defects such as oxidation, chemical corrosion, missing components, or transportation damage.
- Confirm the position where the MATXM-CORE-411-B will be installed.

4 Install the processor

1. Take the processor out of the antistatic package.
2. If a processor is currently installed, open the socket actuator using a screwdriver, and then remove the processor.
3. Check the bottom of the new processor to make sure that there is no shortage or damage of the PGA pin.
4. Align the arrow on the Pin A1 of the new processor with the arrow on the socket, and then close the socket actuator with a screwdriver while gently holding the processor down with your finger.
5. If necessary, reattach the cooling system and reassemble the system according to the documentation that came with your system.



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Install the processor cooler

1. Take the processor cooler and the backplate out of the antistatic package and check for damages.
2. Take off the protective film from the backplate to reveal the glue layer.
3. Align the backplate onto the motherboard. The screw holes on the backplate should fit exactly into the holes on the motherboard.
Note: Make sure that the glue layer of the backplate does not touch any other part of the motherboard.
4. Place the cooler on the backplate by screwing it on.
5. Connect the fan to the motherboard.

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Install the memory module

1. Lay the MATXM-CORE-411-B where the module is to be installed on the antistatic desktop.
2. Take the SODDIM out of the antistatic package, holding it by the edges.
3. Line up the notch located on the row of the metal pins at the bottom of the module with the key in the SODIMM slot on the motherboard.
4. Insert the SODIMM in a slantwise position or at a 45-degree angle to slide the module into place.
5. Press down on the module against the motherboard until you hear it snap into place. The modules must be properly aligned before you press it down into its final position. You can remove the module from the socket and reinstall it if you cannot easily press it down into its final position.



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.

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Connecting the Target and Your Host Computer

The MATXM-CORE-411-B (target) requires two connections to the host computer – a serial connection for the console output, and an Ethernet connection for communication between the target and the Wind River Workbench Development tools.

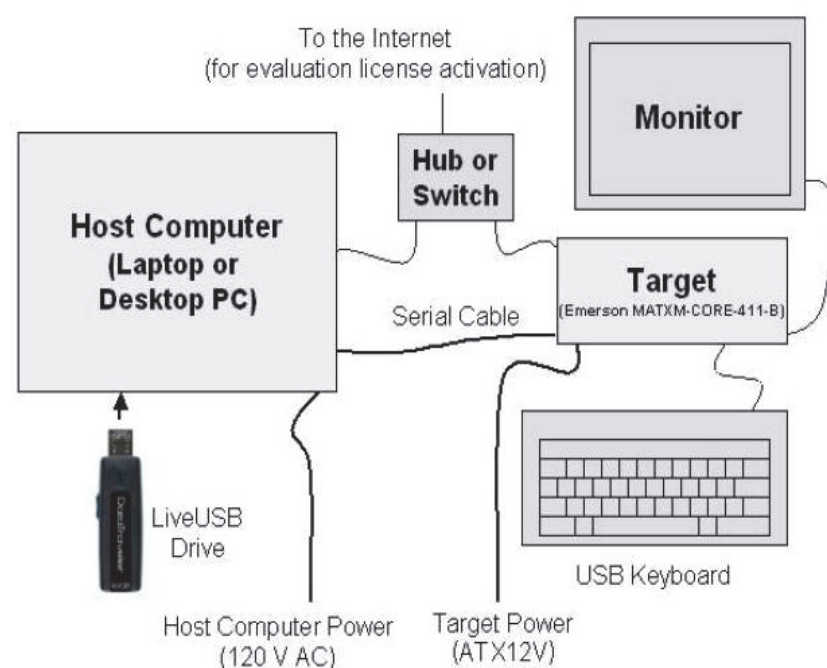
Perform the following procedure to connect the target and host computer:

1. Ensure that your host computer is switched off.
2. Connect the 9-pin serial cable between the COM1 socket of the motherboard MATXM-CORE-411-B and the primary serial port on your host machine.
3. Connect an Ethernet cable between the Ethernet port on the motherboard MATXM-CORE-411-B and the primary Ethernet port on your host computer. This can either be a direct connection or through a hub or switch. Note that the evaluation host and motherboard MATXM-CORE-411-B will be assigned pre-configured static IP addresses during the evaluation.

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Connecting the Target and Your Host Computer (Cont.)

- Ensure that the power supply for the motherboard MATXM-CORE-411-B is correctly connected.



Finding more information

For more information on the product, see the MATXM-CORE-411-B *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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