

MVME8100 Air-Cooled Quick Start Guide

P/N:6806800P26B (June 2014)

1 What's in the box?

Make sure you receive all items of your shipment:

- MVME8100 board
- Printed *Safety Notes*



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

- Make sure that all environmental and power requirements defined in the *MVME8100 Installation and Use manual* are met.
- Remove all items from the box.

4 Install a PMC/XMC (Optional)

1. Remove the PMC/XMC filler plate from the front panel cut-out.
2. Slide the front bezel of the PMC/XMC into the cut-out from behind. The front bezel of the PMC/XMC module will be flushed with the board when the connectors on the module align with the mating connectors on the board.
3. Align the mating connectors properly and apply minimal pressure to the PMC/XMC until it is seated to the board.
4. Insert the four PMC/XMC mounting screws through the mounting holes on the bottom side of the board, and then thread the four mount points on the PMC/XMC. Tighten the screws.



5 Install the board(s)

The MVME8100 and associated Rear Transition Modules (RTMs) do not support hot swap. Power off the slot or the system and make sure that the serial ports and switches are properly configured.

1. Attach an ESD strap to your wrist.
2. Attach the other end of the ESD strap to an electrical ground. The ESD strap must be secured to your wrist and to ground throughout the procedure.
3. Remove any filler panel that might fill that slot.
4. Install the top and bottom edge of the MVME8100 into the guides of the chassis.
5. Ensure that the levers of the two IEEE locking injector/ejectors (if equipped) are in the unlocked outward position.
6. Slide the MVME8100 into the chassis until you feel resistance.
7. Simultaneously move the injector/ejector levers (if equipped) in an inward direction until locked. If fitted with SCANBE ejectors, adjust them inward and apply pressure to them to seat the board.

5 Install the board (contd)

8. Verify that the MVME8100 is properly installed.
9. Secure the board to the chassis using the two screws located adjacent to the injector/ejector levers.
10. Connect the appropriate cables to the MVME8100.
11. If installing an RTM, repeat steps 1-10 for the RTM.

When the MVME8100 (and optionally, an RTM) is installed in a chassis, you are ready to connect peripherals and apply power to the slot or system.

The front-panel Micro-DB9 connector provides a console interface to U-boot. It presents an RS-232 DTE interface (TX/RX/CTS/RTS). The default serial configuration is 9600/8/N/1. This mates with an ITT MDSM-9SC-Z11 (or equivalent). The Artesyn part number SERIAL-MINI-D2 converts this to a standard male DB9 interface.

Finding more information

For more information on the product, see the *MVME 8100 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

To request technical assistance, visit our Web site

<http://www.artesyn.com>