

HW Getting Started Guide



PQ-MDS-PIB

January 2006: Rev. 0.4



Configure PIB to work with the agent modules you are using: Step 3 on page 5 PMC-PCI Adaptors (optional: for using up to two agents): Step 4 on page 6 Expansion Adaptor (optional: for using up to four agents): Step 5, on page 9 USB Module (optional): Step 6, on page 12 Quad-OC3 Module (optional): Step 7, on page 13















Step 4: Attach PMC-PCI (PQ-MDS-PMCPCI) adaptors to PIB

(PMC-PCI adaptors are sold separately)

- Each PMC-PCI adaptor can accommodate one PCI board as an agent.
- To work with *up to two* PCI-format boards as agents at the same time (on two different PCI buses), use PMC-PCI modules to attach them to the PIB
- To work with more than two agents, use the expansion adaptor, shown in Step 5 on page 9.

 For the exact possible configurations and combinations of agent locations (not all slots can be used for every situation), bus name(s), host and agent modules, see the PIB User's Manual or the relevant Processor Board's User's Manual.

Step 4.a: Connect each PMC-PCI adaptor as shown, and press in firmly (by hand) until it clicks in place.

The PMC-PCI adaptors can be inserted into the PMC1, PMC2, or PMC3 slots.

The PMC0 slot is reserved for non-PCI modules.





PMC-PCI adaptor (view from above)

PMC-PCI adaptor (view from below)





Step 4.b: Insert spacers between the PMC-PCI adaptors and the PIB, and tighten them using a screwdriver.



The figure at right shows a close-up view of a PMC-PCI adaptor installed on the PIB.







Step 5: If you wish to use more than two agents, attach the expansion adaptor (PQ-MDS-PCIEXP) to the PIB. (the expansion adaptor, including

the riser cards and its own dedicated power supply, is sold separately)

- The expansion adaptor is used *instead* of the PMC-PCI modules if more than two agent modules are needed.
- The expansion adaptor can accommodate *up to four* PCI boards (working at the same time, on the same bus) as agents.
- For the exact possible configurations and combinations of agent locations (not all slots can be used for every situation), bus name(s), host and agent modules, see the PIB User's Manual or the relevant Processor Board's User's Manual.

Step 5.a: If using a module in the PMC0 slot, insert riser cards on PIB

These riser cards are used to raise the expansion adaptor to the proper height when a module is installed in the PMC0 slot (the figures show this slot with no module installed).

Insert the three riser cards as shown, starting from the PMC3 slot, and continuing to the PMC1 slot.

Press each riser card firmly in until it clicks in place.

















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