

to the applicable computer documentation to determine the physical, electrical, and environmental requirements for the computer.



The PU514 or PU515 PCI RTA boards require a 5V PCI slot. Do not put the PU514 or PU515 RTA board in a PCI slot that uses the PCI-X133 standard. Also, do not use the USB capable PU518 or PU519.

The latest PU514A or PU515A PCI RTA boards use a PCI-X133 slot and are backward compatible to earlier PCI slot specifications. These cards can not be used in PCI-X266 or higher, or in PCI Express slots. PU514A and PU515A RTA boards replace PU514 and PU515 RTA boards respectively.

To install the PCI RTA board:

1. Disconnect the computer power cord from the power line.



Remove the computer power cord from the power line before removing the cover. There are unisolated and potentially fatal power line voltages present under the cover.

2. Remove the computer cover. Refer to the computer hardware manual for details.



Wear a properly grounded antistatic wrist strap and handle the PCI RTA board with care. Static discharges may damage the PCI RTA board when it is removed from the antistatic bag. Do not touch connectors with bare hands.

3. Unpack the PCI RTA board.
4. Detach the plastic handle from the PCI RTA board, if required.
5. Remove the cover plate of any PCI slot and mount the PCI RTA board in the slot.
6. Install the computer cover. Refer to the computer hardware manual for details.
7. Connect the computer power cord into the power line.
8. Turn on the computer.



Windows will detect the PCI RTA board as new hardware will attempt to configure it. Cancel any attempts by Windows to configure the PCI RTA board. The ABB PAS System Services software install will configure the PCI RTA board (refer to [ABB PAS System Services](#) on page 182).

RTA Unit Requirements

The RTA unit is required to connect the Connectivity Server to the Advant OCS Control Network (MOD 300 DCN/eDCN). If you require the RTA unit, you must install the PU412K01 (RTA unit for DCN) or the PU410K02 (RTA unit for eDCN) before you install the PAS System Services software.



Do not use the PU518 or PU519.

64-bit operating systems requires the PU412K01(DCN) or the PU410K02(eDCN) RTA units.

32-bit operating systems uses the PU514/PU515 or the PU514A/PU515A RTA boards and requires an available PCI card slot.

The RTA board is powered from the PCI bus supply in the computer. The PCI RTA board (PU514 or PU515) requires a 5V PCI slot.



Do not use the PU514 or PU515 RTA board in a PCI slot that uses the 3.3V standard.

The PU514A PCI RTABs use a PCI-X133 slot and are backward compatible to earlier PCI slot specifications. These cards cannot be used in PCI-X266 or higher, or in PCI-Express slots.



The PU514A and PU514/PU515 PCI RTABs is replaced with the PU410K02 and PU412K01 RTA Units.

The PU410K02 and PU412K01 external Real Time Accelerator (RTA) units are available for eDCN and traditional DCN communications respectively. These new communication units are mounted remotely from the workstation and connected via standard Ethernet. This removes the requirements and dependency of the host hardware.

800xA for MOD 300 System Requirements

800xA for MOD 300 software requires that the Advant OCS with MOD 300 System be at the following levels:

- AdvaBuild 3.3/2 P2 or higher for Windows.
- MOD 300 System Version 14.6/x or higher software.