

## Promentum® Safety Information

Product manuals, late breaking news, data sheets, and support information are available on the RadiSys Web site at [www.radisys.com](http://www.radisys.com). Contact your RadiSys sales representative if you have sales questions or need additional support information.

### General safety precautions



Review the following precautions to avoid personal injury and prevent damage to this product or products to which it is connected. To avoid potential hazards, use the product only as specified.

Read all safety information provided in the component product user manuals and understand the precautions associated with safety symbols, written warnings, and cautions before accessing parts or locations within the unit. Save this document for future reference.

### AC and/or DC power safety warnings

The AC and/or DC Power cord is the unit's main AC and/or DC disconnecting device, and must be easily accessible at all times. Auxiliary AC and/or DC On/Off switches and/or circuit breaker switches are for power control functions only (NOT THE MAIN DISCONNECT).

**IMPORTANT:** See installation instructions before connecting to the supply.

**For AC systems,** use only a power cord with a grounded plug and always make connections to a grounded main. Each power cord must be connected to a dedicated branch circuit.

**For DC systems,** this unit relies on the building's installation for short circuit (over-current) protection. Ensure that a Listed and Certified fuse or circuit breaker no larger than 72VDC, 15A is used on all current carrying conductors. For permanently connected equipment, a readily accessible disconnect shall be incorporated in the building installation wiring. For permanent connections, use copper wire of the gauge specified in the system's user manual.

The enclosure provides a separate Earth ground connection stud. Make the Earth ground connection prior to applying power or peripheral connections and never disconnect the Earth ground while power or peripheral connections exist.

To reduce the risk of electric shock from a telephone or Ethernet system, connect the unit's main power before making these connections. Disconnect these connections before removing main power from the unit.

**CAUTION!** This equipment is designed to permit the connection of the earthed conductor of the DC supply circuit to the earthing conductor at the equipment. See installation instructions at [www.radisys.com](http://www.radisys.com).

### Electrical shock hazard

**WARNING!** To avoid the risk of electrical shock hazard, special measures and precautions must be taken when using these products:

- Access to this equipment must be restricted by locating this equipment where access can only be gained by SERVICE PERSONNEL who have been informed about the reasons for the restrictions applied to the location and about any precautions that shall be taken. Access is through the use of a TOOL, lock and key, or other means of security and is controlled by the authority responsible for the location.
- This product should only be used by SERVICE PERSONNEL who have the knowledge and training required to work with products of this type.
- To avoid shock, ensure that the chassis power cables are connected to a properly wired and grounded receptacle.
- The system containing these boards should not be operated with the faceplates, blank panels, or covers removed. Some voltages that are on the board and inside the chassis present an electrical shock and/or energy hazard to the user. Keep hands out of the chassis when power is applied or when performing hot swap of the boards.

- Verify power cord and outlet compatibility: Use the appropriate power cords for your power outlet configurations. Visit the following web site for additional information: <http://electricaloutlet.org>.
- Avoid electric overload, heat, shock, or fire hazard: Only connect the system to a properly rated supply circuit as specified in the product user manual. Do not make connections to terminals outside the range specified for that terminal. See the product user manual for correct connections.
- Avoid electric shock: Do not operate in wet, damp, or condensing conditions. To avoid electric shock or fire hazard, do not operate this product with enclosure covers or panels removed.
- Avoid electric shock: For units with multiple power sources, disconnect all external power connections before servicing.
- Power supplies must be replaced by qualified service personnel only.

## Rack mount enclosure safety

This unit may be intended for stationary rack mounting. Mount in a rack designed to meet the physical strength requirements of NEBS GR-63-CORE and NEBS GR 487. Disconnect all power sources and external connections prior to installing or removing the unit from a rack.

System weight may be minimized prior to mounting by removing all hot-swappable equipment. Mount your system in a way that ensures even loading of the rack. Uneven weight distribution can result in a hazardous condition. Secure all mounting bolts when rack mounting the enclosure.

## Environmental precautions and hazards

### CAUTION!

- Components such as Processor Boards, Ethernet Switches, etc., are designed to operate with external airflow. Components can be destroyed if they are operated without external airflow. External airflow is normally provided by chassis fans when components are installed in compatible chassis. Never restrict the airflow through the unit's fan or vents. Filler panels or air management boards must be installed in unused chassis slots. Environmental specifications for specific products may differ. Refer to product user manuals for airflow requirements and other environmental specifications.
- Lithium batteries are not field-replaceable units. There is a danger of explosion if a battery is incorrectly replaced or handled. Do not disassemble or recharge the battery. Return the unit to RadiSys for battery service.
- Boards with fiber interfaces contain Class 1 laser devices. Class 1 lasers are not considered to be hazardous. All adjustments have been made at the factory prior to shipment of the devices. No maintenance or alteration to the device is required. Do not tamper with or modify the performance of the device.

### WARNING!

- Be careful when removing modules. Do not touch the module's heat sink. It may be hot to the touch.
- Avoid injury, fire hazard, or explosion: Do not operate this product in an explosive atmosphere.

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