

# Safety Instructions

Version 1.1



Before using this product, please read and understand all safety instructions. Failure to follow these instructions may result in injury or damage to the equipment.

## 1. Power

1.1	The electrical connection must be made in accordance with the National Electrical Code (NEC) and/or the Standard for Electrical Connections (SEC), as applicable. Failure to follow these guidelines may result in equipment damage, safety hazards, or voiding of the warranty.
1.2	Only use the power supply provided with the product or one that meets the manufacturer's specifications.
1.3	Do not use damaged power cords or adapters.
1.4	Do not overload electrical outlets.
1.5	The device must be grounded through the power cables, the use of the power outlets without ground pin or ungrounded cables are strictly forbidden. Devices with an additional designated grounding point must be connected to the facility ground, the use of QM provided grounding cable is recommended. Unconnected ground cable may cause permanent system damage.
1.6	Caution! Some devices have multiple power sources. Disconnect all power sources before servicing the system!

## 2. Environment

2.1	Do not expose the product to the conditions beyond those defined in the spec.
2.2	Do not use the product in areas with excessive dust or debris.
2.3	Do not expose the product to direct sunlight or other heat sources.
2.4	Do not use the product near water or in wet conditions.
2.5	This equipment is not suitable for use in locations where children are likely to be present.
2.6	This equipment is intended only for use in a restricted access area.

## 3. Ventilation and Cooling

3.1	Operate the product only within its specified ambient temperature range of 10 °C to 35 °C.
3.2	Keep all air inlets and outlets unobstructed. Do not block airflow on any side of the chassis, and leave clearance above and around the unit for warm air to exit.
3.3	Do not operate the system with empty module slots. Install all modules or their blank fillers; open slots disrupt airflow and can cause overheating and automatic thermal shutdown.
3.4	If a cooling fan fails, keep it in place until a replacement is fitted, and replace it promptly, to avoid loss of airflow.

## 4. Lifting and Handling

4.1	A fully populated system can weigh up to 40 kg. Before lifting, consult your local safety rules and use appropriate lifting practices.
4.2	At least two people are required to install or move the system.
4.3	Observe electrostatic discharge (ESD) precautions when handling internal modules or cards: ensure proper grounding, work on a stable grounded surface, and wear an ESD wrist strap or the provided ESD gloves.

## 5. Maintenance

5.1	Do not attempt to repair the product yourself. Contact a QM's service technician.
5.2	Do not remove any covers or panels from the product. This may expose you to dangerous voltage or other hazards.
5.3	This device has a class 1 laser component (SFPs optical transceivers). Invisible laser radiation might be emitted from the unterminated connector of a fiber-optic cable. To avoid injury to your eye, do not view the fiber optics with a magnifying optical device. Contact a QM's service technician.
5.4	Disconnect all power sources before servicing (Only by QM's technician).
5.5	Do not use the system or perform any service on it while the system is extended on the slide rails.

## 6. Use

6.1	Only use SFPs that are safety approved to IEC 60825 and which are CDRH registered.
6.2	Do not use the product for any purpose other than its intended use.
6.3	Do not insert foreign objects into the product.
6.4	Do not use the product if it appears to be damaged or not working properly.
6.5	Follow all operating instructions provided with the product.

## 7. Warning Symbols

7.1	Pay attention to any warning symbols or labels on the product or in the user manual.
7.2	Do not ignore warning symbols or labels.

By following these safety instructions, you can help ensure the safe and proper use of this product. If you have any questions or concerns about the safety of this product, please contact QM's.