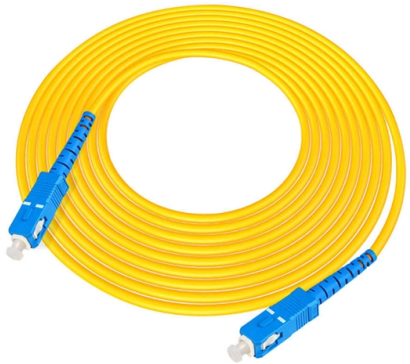
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Technical Support for the Construction Solution of the 42U Display Cabinet



Overview

Guides & Manuals Lenovo has best practices in response to the Intel® Xeon® uncorrectable memory error handling on Gen 1 and Gen 2 or “H” SKUs of ZA23-A2200.

Key Takeaways

Proper assembly and installation of a 42U display or server rack cabinet requires following manufacturer guidelines for safety, stability, and equipment protection.Key Steps for Construction and Installation

1. Unpacking and Initial Setup

• Place the rack on a clean, flat, and level surface to ensure stability during assembly and equipment installation .

• Keep the outriggers (side stabilizers) attached while moving the cabinet; remove them only after the rack is in its final location and will not be moved more than 2 meters .

• Verify all parts against the parts list provided in the manufacturer's manual to ensure nothing is missing . 2. Installing Stabilizers and Leveling

• Attach front and side stabilizer brackets using the screws and hex wrench included in the hardware kit .

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• Lower the leveling feet to ensure the cabinet is stable and does not rock, especially when fully loaded .

• Always install heavier devices at the bottom of the rack to maintain a low center of gravity and prevent tipping . 3. Side Panels, Doors, and Optional Covers

• Install lower and upper side panels and front/rear doors according to the manual instructions .

• Ensure that sliding devices do not exceed the maximum weight limit (typically 80 kg per slide rail) and extend only one at a time .

• Optional covers or expansion kits should be installed following the manufacturer's guidance to maintain airflow and safety . 4. Grounding and Electrical Safety

• Connect the cabinet to the building ground using the provided grounding kit or approved hardware .

• Avoid connecting or disconnecting cables during electrical storms, and ensure all power, communication, and telephone cables are properly routed to prevent hazards . 5. Cable Management and Device Installation

• Use cable management channels to organize power and data cables, preventing obstruction of airflow and reducing strain on connectors .

• Install devices starting from the bottom of the rack, progressing upward, and secure all equipment according to the manufacturer's instructions .

• For racks with cooling systems, such as in-rack or in-row water cooling, follow the specific installation instructions for manifolds and insulation foams . 6. Optional Features and Monitoring

• Some cabinets, like the Vertiv SmartCabinet VS3350, offer integrated cooling, power distribution, and remote monitoring. Ensure these features are installed and configured according to the manufacturer's instructions for optimal performance .

• Electronic locks and IP-rated protection can be added for security and environmental protection . 7. Safety Compliance

• All configurations must be certified by a nationally recognized testing laboratory to comply with country-specific safety regulations .

• Follow all caution and danger statements in the installation manuals to prevent injury or equipment damage . By carefully following these steps, you can ensure that your 42U display or server rack cabinet is secure, stable, and ready for safe operation of IT equipment.

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