



Carrier Grade Updates for Dell PowerEdge XE2420

Important Information

NOTE: This information is relevant to the Dell PowerEdge XE2420.

WARNING: The intra-building port(s) of the equipment or subassembly is suitable for connection to intra-building or unexposed wiring or cabling only. The intra-building port(s) of the equipment or subassembly must not be metallically connected to interfaces that connect to the Outside Plant (OSP) or its wiring. These interfaces are designed for use as intra-building interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE, Issue 5) and require isolation from the exposed OSP cabling. The addition of Primary Protectors does not provide sufficient protection to connect these interfaces metallically to the OSP wiring.

WARNING: The intra-building port(s) of the equipment or subassembly must have shielded intra-building cabling or wiring that is grounded at both ends.

- Network equipment — Includes standard PCIe based Network Interface Card (NIC) and Fiber Channel (FC) devices.
- Bonding network — Equipment is suitable for Common Bonding Networks (CBNs).
- Suitable installation location — Equipment is suitable for installation in Network Telecommunications Facilities (NTF), and locations where the National Electrical Code (NEC) is applicable.
- DC bonding — Equipment is suitable for DC common bonding installations.
- Fan filter — The filter material in the filter bezel is 0.25-inch-thick, 25PPI foam, and has an ASHRAE dust by weight arrestance of 65%. The filter must be replaced on a quarterly basis.

NOTE: You can order a service kit containing one replacement filters by contacting Dell Support.

DC Power Supply Earthing Guidelines

WARNING: Systems using – (48–60) V DC power supplies may have a connection between the earthed conductor of the DC power supply circuit and the earthing conductor.

- The system must be connected directly to one of the following:
 - the DC power supply system earthing electrode conductor
 - a bonding jumper from an earthing terminal bar or bus to which the DC power supply system earthing electrode conductor is connected
- The system must be in the same immediate area (for example, adjacent cabinets) as any other equipment that has a connection between the earthed conductor of the same DC power supply circuit and the earthing conductor, and the point of earthing of the DC system. The DC system must not be earthed elsewhere.
- The DC source must be located within the same premises as the equipment.
- The earthed circuit conductor between the DC power source and the earthing electrode conductor must not be connected to switching or disconnecting devices.