

Quick Start Guide



Server Core X50r Processor



IMPORTANT SAFETY INSTRUCTIONS



1. Read these instructions and keep a copy for future reference. Strictly follow and heed all instructions and warnings. Install the device only as instructed.
2. Do not use or submerge this device in or near water or liquids.
3. Clean only with a dry cloth. Do not use any aerosol spray, cleaner, disinfectant or fumigant on, near, or into the device.
4. Do not install the device near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers).
5. Refer all service to qualified personnel.
6. Observe all applicable local codes. Consult a licensed professional engineer when devising an equipment installation to ensure compliance.

Maintenance and Repair



WARNING! Advanced technology, e.g., the use of modern materials and powerful electronics, requires specially adapted maintenance and repair methods. To avoid a danger of subsequent damage to the apparatus, injuries to persons and/or the creation of additional safety hazards, all maintenance or repair work on the apparatus should be performed only by a QSC authorized service station or an authorized QSC international distributor. QSC is not responsible for any injury, harm or related damages arising from any failure of the customer, owner or user of the apparatus to facilitate those repairs.

Overview

The Server Core X50r combines the Q-SYS Full Stack AV Platform with industry-proven server hardware from Dell to deliver an abundance of DSP processing power and network audio capacity to serve the most demanding and complex large-scale AV deployments. The Server Core X50r is fully networked, making it ideal for running centralized, mission-critical AV services that pair with edge-based network I/O and/or distributed processing.

Reference

Dell Server Hardware — For additional information regarding hardware specifications, regulatory compliance, or iDRAC, visit the Dell server website at dell.com/servers.

Q-SYS Specifications and Software — For additional information regarding the Q-SYS Server Core X50r, software feature specifications, Q-SYS Designer Software (QDS), and other Q-SYS products and solutions, visit qsys.com.

Knowledge Base — Find answers to common questions, troubleshooting information, tips, and application notes. Link to support policies and resources, including Q-SYS Help, software and firmware, product documents, and training videos. Go to support.qsys.com.

Customer Support — Refer to the Contact Us page on the Q-SYS website for Technical Support and Customer Care, including their phone numbers and hours of operation. Go to qsys.com/contact-us.

Warranty — For a copy of the QSC Limited Warranty, go to qsys.com/support/warranty-statement.

TD-001733-01-A



Front Panel Features

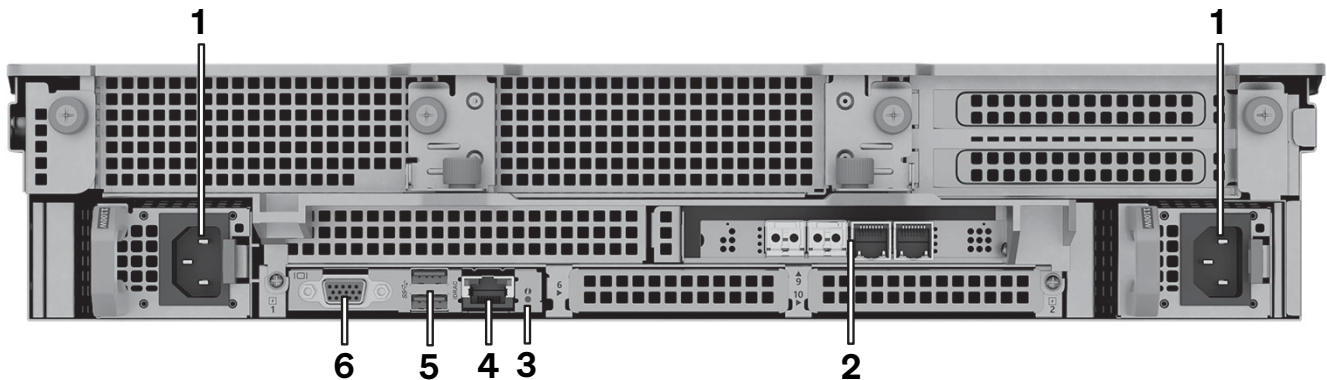


ATTENTION! Total boot-up time after a power cycle is approximately 8 minutes (2-3 minutes for subsequent reboots), at which time the Server Core X50r is discoverable in QDS.



1. **Bezel lock**
2. **Removable bezel**
3. **Power button**
4. **iDRAC Direct USB-C port**
5. **Status and ID indicator** – Enabled via Q-SYS Designer Software.
6. **Information tag** – Includes the product serial number and Q-SYS Support contact information.
7. **Q-SYS Media Drive** – (Behind bezel) 1x 2.5-inch, 960 GB, NVMe SSD drive. Additional drives not supported.

Rear Panel Features



1. **Dual redundant power supply units (PSUs)** – 1100W each
2. **4x 10Gbps capable SFP+ ports (field replaceable)** – Pre-installed from left to right: 2x 10Gbps fiber (LAN A, LAN B), 2x 1Gbps copper RJ45 (AUX A, AUX B)
3. **ID indicator** – Enabled via Q-SYS Designer Software
4. **iDRAC dedicated port (RJ45)** – For remote iDRAC access: Default IP = 192.168.0.120. For default credentials, contact Q-SYS Support.
5. **USB ports** – Not supported
6. **VGA video output** – Not supported

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