

Server Core X20r 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 Q-SYS Server Core X20r represents the next generation of Q-SYS processing, pairing the Q-SYS OS with off-the-shelf, enterprise-grade IT server hardware from Dell to deliver a flexible and scalable audio, video, and control solution for a vast range of applications. Server Core X20r is a fully networked, programmable AV&C processor that provides centralized processing for multiple spaces or zones while distributing network I/O where it's most convenient.

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 X20r, 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-001721-01-A



Front Panel Features

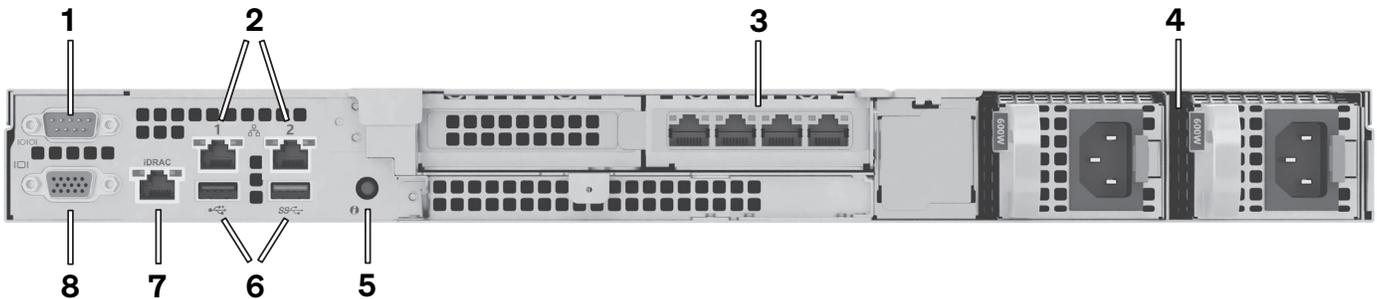


ATTENTION! The Front Panel is included separately in the box and must be installed to observe boot-up and status messages. After a power cycle, the LCD displays "Initializing" for approximately 1 minute. During this time, no other indicators or sounds are active. Total boot-up time after a power cycle is approximately 4 minutes (2-3 minutes for subsequent reboots), at which time the Server Core X20r is discoverable in QDS.



1. **Status and ID indicator** – Enabled via Q-SYS Designer Software
2. **Bezel lock**
3. **Removable active bezel**
4. **LCD navigation buttons**
5. **LCD** – Displays Q-SYS Core processor name, status, and health alerts.
6. **Power button**
7. **USB port** – Not supported
8. **Information tag** – Includes the product serial number and Q-SYS Support contact information
9. **Q-SYS Media Drive** – (Behind bezel) One 2.5-inch, 480 GB, SATA SSD drive. Additional drives not supported.

Rear Panel Features



1. **Serial communications RS232 (male DE-9)** – For connection to serial devices
2. **On-board LAN ports** – Not supported
3. **Q-SYS LAN ports (RJ45, 1000 Mbps)** – From left to right: LAN A, LAN B, AUX A, AUX B
4. **Dual redundant power supply units (PSUs)** – 600W each
5. **ID indicator** – Enabled via Q-SYS Designer Software
6. **USB ports** – Not supported
7. **iDRAC dedicated port (RJ45)** – For remote iDRAC access: Default IP = 192.168.0.120, Default username = root, Default password = calvin
8. **VGA video output (female HD15)** – Not supported

© 2025 QSC, LLC All rights reserved. QSC, the QSC logo, Q-SYS, and the Q-SYS logo are registered trademarks of QSC, LLC in the U.S. Patent and Trademark Office and other countries. Patents may apply or be pending. All other trademarks are the property of their respective owners.

qsys.com/patents
qsys.com/trademarks