ActiveScale X200 GETTING STARTED GUIDE

The Quantum ActiveScale X200™ is the next generation hardware platform for ActiveScale object storage. It provides a simplified deployment by converging the system and storage node functions into a single server. A base configuration consists of three 4U90 servers, each containing two compute modules. You can add 4U90 JBODs and additional servers to increase capacity. The X200 can also be used to scale out capacity of an existing X100 deployment. An X200 installation also requires the following components, which may be customer-supplied or optionally purchased from Quantum: a supported rack, PDUs, two data switches for a base system configuration (additional data switches may be required depending on the size of the deployment), and one IPMI switch per rack.

This guide provides an introduction to the X200 server, JBOD, and Quantum-supplied switch hardware, and a high-level overview of the key X200 installation tasks. Professional installation by Quantum Professional Services is required.

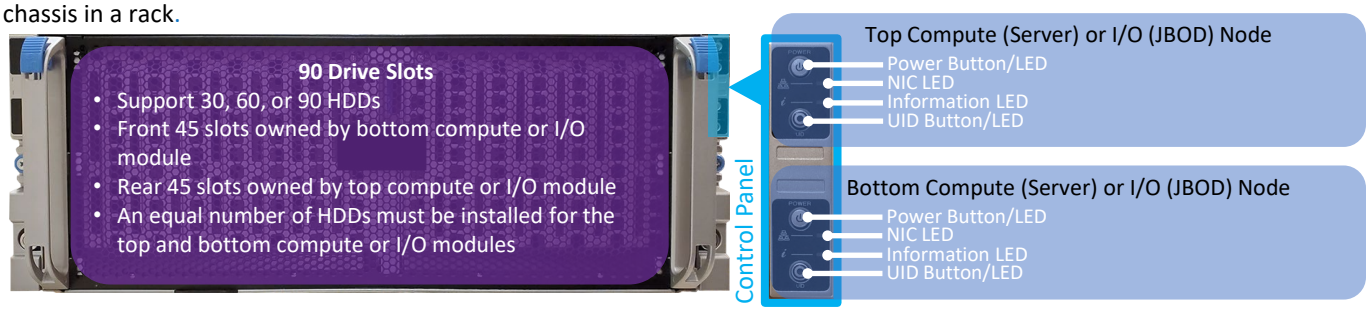
For complete pre-installation requirements and installation instructions, refer to the *ActiveScale X200 Service Documentation Center*: qsweb.quantum.com/ActiveScaleX200ServiceDocs (Requires a CSWeb login).

Activate your warranty and register your product with Quantum: www.quantum.com/startup.

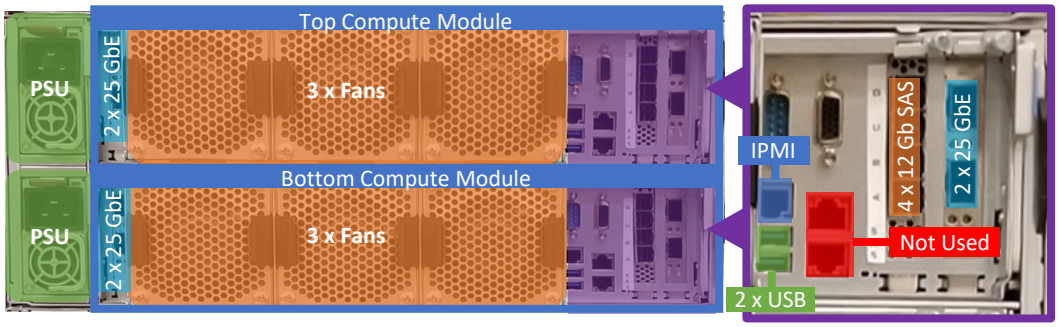
Hardware Overview

ActiveScale X200 4U90 Server and 4U90 JBOD - Front

A base configuration consists of three servers. HDDs, JBODs, and servers can be added for capacity expansion. HDDs are shipped in separate boxes included on the pallet with the server or JBOD chassis and must be installed after installing the chassis in a rack.

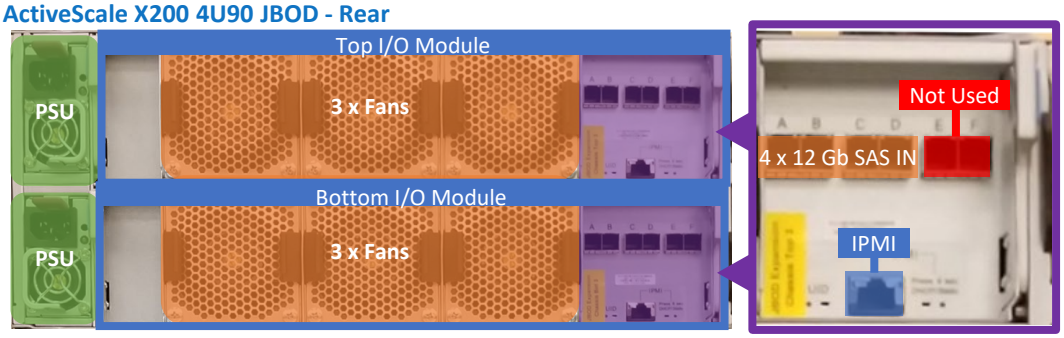


ActiveScale X200 4U90 Server - Rear



Identical ports in top and bottom compute modules

ActiveScale X200 4U90 JBOD - Rear



Identical ports in top and bottom I/O modules

Hardware Overview (Continued)

Quantum-Supplied SSE-F3548S Data Switch

Two Quantum-supplied (pictured below) or customer-supplied data switches are required to provide the backend network for the X200. Additional data switches may be required depending on the size of the deployment.

Front



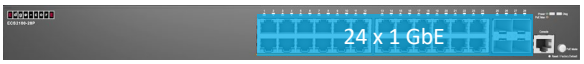
Rear



Quantum-Supplied ECS2100-28T IPMI Switch

One Quantum-supplied (pictured below) or customer-supplied IPMI switch per rack is required to provide the remote management network for the compute and I/O modules.

Front



Rear



X200 Planning, Installation, and Configuration

The X200 installation process consists of installing the hardware and software and configuring the system. A summary of the key steps is below, which you can use as a checklist as you complete the installation. For detailed planning and installation instructions, refer to the *ActiveScale X200 Service Documentation Center*: qsweb.quantum.com/ActiveScaleX200ServiceDocs (Requires a CSWeb login).

⚠ Before starting the installation, review the important safety information at **Resources > SMC Safety and Regulatory** and **Edge-Core Safety and Regulatory** on the *ActiveScale X200 Service Documentation Center*.

Plan

Refer to the **Plan** section of the *ActiveScale X200 Service Documentation Center* for details about rack and input power requirements for the X200 system.

Install > Step 1: Unpack the System

Refer to the **Install > Step 1: Unpack the System** page for information about unpacking the X200 system. This includes a description of the pallet contents, a list of required tools, and instructions for unpacking the system.

Install > Step 2: Component Installation

Refer to the **Install > Step 2: Component Installation** page for details on installing the X200 severs, JBODs, Quantum-supplied data switches, and Quantum-supplied IPMI switch. This section of the *ActiveScale X200 Service Documentation Center* includes links to PDFs of the hardware components' user guides from the manufacturer, which provide the step-by-step installation instructions.

Install > Step 3: Software Installation

The X200 system ships without software installed. You will need to install the latest software as part of the system installation. Refer to the **Install > Step 3: Software Installation** page for prerequisites and instructions on how to install and configure the ActiveScale software on a new X200 system using the Quantum VM Installer. This software installation method aims to ease the installation of the Quantum ActiveScale X200 system by automating the creation of the different template files and automating the installation process.

If you are unable to use the Quantum VM Installer, refer to the **Install > Software Installation Using USB** page for instructions on how to install and configure the ActiveScale software using USB flash drives.

Scaling

If you are installing an X200 system to scale out an existing X100 or X200 deployment, refer to the **Scaling** page for prerequisites and instructions specific to your scale-out scenario.

ActiveScale Management and Monitoring

After the X200 system is installed and configured, customers should refer to the *ActiveScale Software Documentation Center* (www.quantum.com/ActiveScaledocs) for instructions on performing day-to-day management and monitoring tasks on the system, including how to configure email alerts for notifications from the system. Customers should also refer to the *ActiveScale X200 Documentation Center* (www.quantum.com/ActiveScaleX200Docs) for additional information specific to the X200 system, including CRU replacement instructions.

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