# Quorum onQ®

## POD

## Secure and Scalable BDR

In the age of the data boom, a good backup and disaster recovery solution doesn't just store, protect and recover information. BDR solutions must scale seamlessly with each organization's needs in a nimble and cost-effective manner. Yet teams with rapid data growth frequently bump up against physical constraints and rigid systems, forcing them into expanding rack space and the purchase of multiple BDR appliances.

To scale efficiently, organizations need a robust BDR solution that lets them grow compute and data separately. IT leaders need a solution that can adapt to their challenges rather than trying to shoehorn their data into rigid pre-molded platforms—a solution that lets them create the best BDR system for their evolving needs.

onQ POD is a modular hardware solution that lets your team grow your data into hundreds of terabytes—with only one appliance. A new addition to the Quorum hardware lineup, POD helps you easily add capacity to storage or add the capacity to backup more servers independently of each other. Whether you need to protect physical or virtual servers, POD can help. And POD can support from 50TB to 400TB over an 8U setup—a boost to fast-growing organizations and larger scale enterprises.

> " With Quorum, we can recover specific user files with a single click instead of the much lengthier process that's involved with recovery from tape. "
>
> Jim Allen – Georgetown Savings Bank

**About Quorum:** Quorum provides Data Protection solutions helping businesses worldwide to protect their mission-critical data with an all-in-one, easy-to-use, 1-click backup and instant recovery solution. Our onQ product provides backup, recovery and storage replication of your mission-critical data after any storage, system or site failure. Regardless of which deployment environment is selected for your business, Quorum protects mission-critical data under any circumstance and threat. Quorum is modern-day data protection for your business, serving customers worldwide, with offices in the US, UK and business affiliates with offices in South Korea and the UAE. To learn more, visit us at www.quorum.com.

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**Reduce equipment and resource costs.**

Because POD is the only appliance you need, there's no need to keep buying additional appliances or servers to accommodate growth. And because POD can grow storage and compute independently, you don't have to pay for resources you don't need.

**Scale painlessly.**

Regardless of your expansion needs, POD can help you scale as flexibly as you need. After starting at 50 terabytes of data and 250 VMs or average-sized physical servers, you can increase capacity in either direction. Your BDR solution will adapt to your organization's growth—seamlessly.
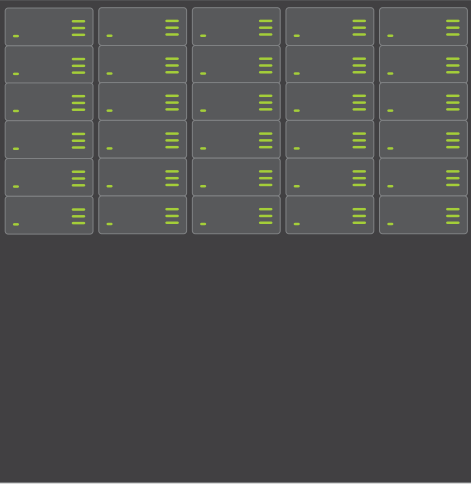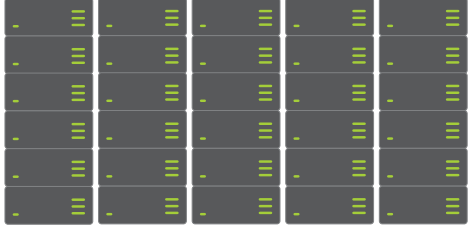
**Build a bridge to your future.**

POD opens the door to enterprise scalability. To set the stage now for future growth, configure POD to meet your needs today while being prepared for tomorrow's demands—without requiring new investments. POD can support from 50TB to 400TB over an 8U setup, a serious upgrade from any other solution on the market.

## How onQ POD Works

- Begin with 50 terabytes and 250 VMs or physical servers.

- Add additional capacity wherever you need it. A small blade unit helps you grow compute separately.

- If you need to expand from 200 VMs to 300 without buying more storage, you can.

- If you want to keep the 200 VMs but increase 50 terabytes to 300, you can independently grow that too.

## onQ POD Specs

- The onQ Compute consists of a single 2 node appliance with 512TB of RAM per node—1TB total.

- The onQ Head unit is the storage management appliance and connects directly to the storage JBOD.

- The onQ Storage is a JBOD, using a SAS connection to the onQ Head unit. This JBOD has (60) 6TB 7200 SATA drives.

- The onQ Network is a stand-alone 48 port 10G switch, which is used only for internal communication with the Quorum POD solution. The switch is not used to connect to the customer network.

- Installation: All POD components are rack mount and include rails. JBOD storage should be installed under Compute, Head, and Network, with 1U space left above onQ Compute for future expansion.

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| | MODEL | SUMMARY | NODE DETAIL |
|---|---|---|---|
| | onQ-Compute-1 | 1U with 2 Compute nodes; support for up to 100 PNs. | 4x E5-2650V4  2.2Ghz, 12C (2 per node) 1024GB RAM (512GB per node 8x 10GB RJ-45 Network Ports (4 per node) |
| | onQ-Compute-2 | 2U with 4 Compute nodes; support for up to 200 PNs. | 8x E5-2650V4  2.2Ghz, 12C (2 per node) 2024GB RAM (512GB per node 16x 10GB RJ-45 Network Ports (4 per node) |
| | onQ-Switch | 1U switch; allows communication between the compute and storage head units. | 48 port 10GB RJ45 network switch dedicated to onQ communication. |
| | onQ-Head | 1U server acts as head of Filer SAN. | 2x E5-2640V4 2.4Ghz 10C 128GB RAM 4x 10GB RJ-45 network ports Can support up to 2 onQ-Storage |
| | onQ-Storage | 4U half populated 60 drive bay storage unit (JBOD).  Connects to onQ-Head via SAS cable. | 100TB raw storage; up to 150TB with encryption). |
| | onQ-Storage Expansion | 30 drive units to fully populate an onQ-Storage unit. | 100TB raw storage; up to 150TB with encryption. |

A modular hardware solution that can support from 50TB to 400TB over an 8U setup, onQ POD offers BDR that's more robust and flexible than any other solution on the market. By reducing resource costs and empowering future growth, onQ POD is the leader in secure and scalable enterprise BDR.

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