

# Diamanti D20 RH for Red Hat OpenShift

The Diamanti® D20 RH for Red Hat® OpenShift® enables enterprises, building and deploying containerized applications on the Red Hat OpenShift Container Platform, to maximize the performance, scalability, and operational efficiency of Red Hat's best-in-class developer tools and industry-leading containers and Kubernetes platform. The Diamanti D20 RH is a modern hyperconverged infrastructure that pre-integrates Red Hat OpenShift Container Platform with second generation Intel® Xeon® Scalable Processors (Cascade Lake) and a wide range of NVMe storage and RAM options. Powered by Diamanti Ultima acceleration cards, the Diamanti D20 RH is integrated with patented I/O-optimized architecture, delivering transformational application performance. Diamanti D20 RH is offered in 3 configurations: Small (S), Medium (M) and Large (L).

## Diamanti D20 RH Specifications

Minimum of 6-node configuration is required

### HARDWARE SPECIFICATIONS (per node)

NETWORK	Diamanti Ultima Network Card with 4x10 GbE via QSFP+ module
STORAGE	Diamanti Ultima Storage Card  DATA STORAGE 4 TB configuration: 4x1000 GB NVMe SSD (with SED option) 8 TB configuration: 4x2000 GB NVMe SSD (with SED option) 32 TB configuration: 4x8000 GB NVMe SSD (with SED option)  HOST OS AND EPHEMERAL STORAGE 960 GB (2x480 GB SATA SSD)
COMPUTE	CPU: 2x 2 <sup>nd</sup> Generation Intel® Xeon® Scalable Processors with 24 / 40 / 52 physical cores RAM: 192 / 384 / 768 GB

### PHYSICAL SPECIFICATIONS (per node)

RACKSPACE	1U
DIMENSIONS	17.28"W x 28.03"D x 1.70"H
POWER	Dual redundant 110/220V power supplies
ENVIRONMENTAL D20X S, M	Operating temperature: 50°F to 95°F (10°C to 35°C)
ENVIRONMENTAL D20X L	Operating temperature: 50°F to 81°F (10°C to 27°C)

### AVAILABLE CONFIGURATIONS

D20X Small	2 <sup>nd</sup> Gen Intel® Xeon® Silver 4214R (2.40 GHz) 24 CPU cores / 192 GB RAM / 4 TB Storage
D20X Medium	2 <sup>nd</sup> Gen Intel® Xeon® Gold 5218R (2.10 GHz) 40 CPU cores / 384 GB RAM / 8 TB Storage
D20X Large	2 <sup>nd</sup> Gen Intel® Xeon® Gold 6230R (2.10 GHz) 52 CPU cores / 768 GB RAM / 32 TB Storage