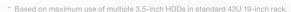# Capacity-Optimized

Product Overview

Seagate® Constellation® CS

Hard Drive Designed for Bulk Cloud Storage

- Industry's first capacity-optimized hard drive intended for bulk cloud storage
- Affordable way to meet the need for vast amounts of unstructured data storage in the cloud
- Power-efficient 1TB, 2TB and 3TB drives that keep infrastructure costs to a minimum
- Helps maximize return on investment with secure and easy drive retirement

Ideal for Cloud Bulk Storage Applications

- The Seagate® Constellation CS 7200-RPM drive features enterprise-class attributes, including RV-tolerance for consistent performance in multi-drive replicated systems.
- Maximize cloud data center footprint utilization by supporting up to 114TB per square foot.*
- With 1TB, 2TB and 3TB† capacity options, the Constellation CS drive is ideal for storing vast amounts of unstructured data in the cloud.
- At a low $/GB for an enterprise-class 24×7drive, it's the most affordable and reliable bulk data storage.

* Based on maximum use of multiple 3.5-inch HDDs in standard 42U 19-inch rack.

† Seagate recommends validating your configuration with your HBA/RAID controller manufacturerto ensure full 3TB capacity capabilities.

Seagate

Reliable, Energy-Efficient Storage for 24×7 Requirements

- At less than 2.75W/GB maximum, it's the lowest power usage for a 7200-RPM enterprise-class hard drive, keeping your cloud data center efficient by reducing your electrical bills and carbon footprint.

- The 6Gb/s SATA interface ensures fast, reliable and easy integration into existing infrastructures.

- Backed by a 3-year limited warranty, the Constellation CS drive will thrive in demanding bulk data cloud applications.

The Seagate Advantage

Built upon leading Seagate experience in enterprise storage, the capacity-optimized Constellation CS drive improves cloud storage performance by reducing concerns, like interoperability, reliability, power consumption and cost of ownership, that are commonly experienced with a drive designed for desktop computers.

The Constellation CS drive, with its RV tolerance, ensures drives are calibrated for multi-drive performance by compensating for excessive vibration and noise levels found in most chassis, and increases drive life span and performance over the long haul.

Cloud storage management is made easier with the Seagate Instant Secure Erase option, which enables safe, fast, affordable and easy drive retirement and repurposing.

Designed for Your Growing Needs

Ideally suited for use in both public and private cloud data centers, the capacity-optimized Constellation CS drive offers just the right amount of enterprise-class features to ensure maximum effectiveness in demanding 24×7 environments without breaking the bank.

Specifications	
Capacities[1]	3TB[2], 2TB, 1TB
Interface	SATA 6Gb/s
Sustained Data Rate	150MB/s to 180MB/s
Cache	64MB
Spindle Speed	7200 RPM
Reliability (MTBF)	800K hours
Operating Power	less than 8W
Limited Warranty	3 years

1 One terabyte, or TB, equals one trillion bytes when referring to drive capacity.

2 Seagate recommends validating your configuration with your HBA/RAID controller manufacturer to ensure full 3TB capacity capabilities.

SERIAL ATA 6 Gb/s CERTIFIED   AF

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