WHICH STORAGE DEVICE WOULD YOU GO TO BATTLE WITH?

SOLID STATE VS. HARD DISK DIGITAL SIGNAGE REVENUE SSD outperforms 20X HDD by 20X¹ Retail 42% allandada halat SSD is 5X more \$17.1 reliable than HDD² BILLION Z400s SSD uses 1/20th BY 20174 the power of HDD³ PERFORMANCE App Load/ SSD is 20x faster than HDD **Response Time** READ RATE READ RATE SSD = Up to 33k IOPS HDD = 169 IOPS Random Data Rate (IOPS) WRITE RATE WRITE RATE SSD = Up to 62k IOPS ■ = 1,000 IOPS HDD = 169 IOPS READ RATE READ RATE SSD = Up to 546 MB/second Sequential Data HDD = 156 MB/second Rate (MB/S) WRITE RATE WRITE RATE SSD = Up to 342 MB/second = 10 MB/second HDD = 156 MB/second RESISTANCE SSD = 1,500G @ 0.5ms Shock HDD = 350G @ 0.5ms SSD = 5gRMS, 10-2,000Hz Vibration HDD = 0.5gRMS, 23 - 350Hz SSD = 30mW1/20Power Usage HDD = 817 mWSSD = 1,750,000 Hours Meantime HDD = 750,000 Hours **Between Failure** SSD = No moving parts **Moving Parts** HDD = 2 or more moving parts \$200 spinning



 Based on PCMark Vantage Secondary scores, Z400s vs. 5400 HDD.
http://arstechnica.com/information- technology/ 2014/01/putting-harddrive-reliability-to-the-test-shows- not-all-disks-are-equal/ 3 Based on average power consumption testing using MobileMark 2012 testing of Z400s vs. 5400RPM HDD.

 Source: (IHS Research, "Global Digital Signage Market Nears \$14 Billion, Spurred by Real-Time Analytics in Retail", 10/29/ 2013
Source: AOPEN America

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