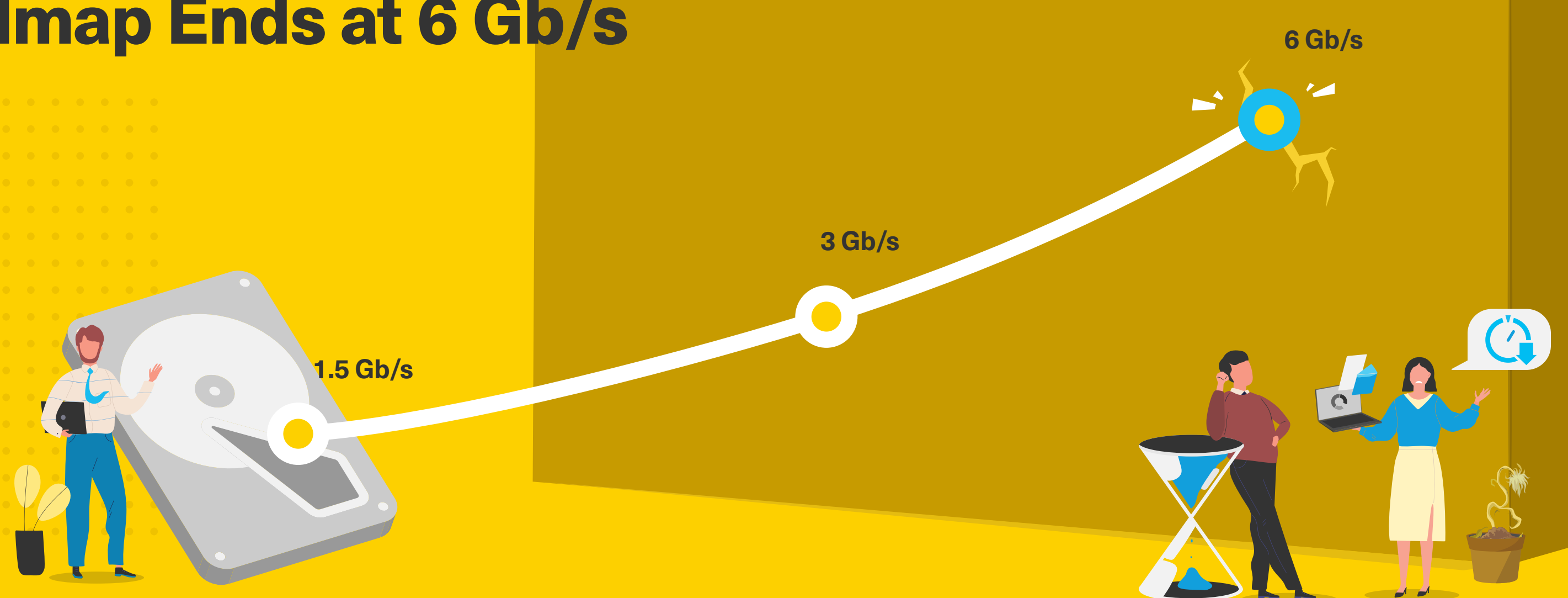


There is Life After SATA

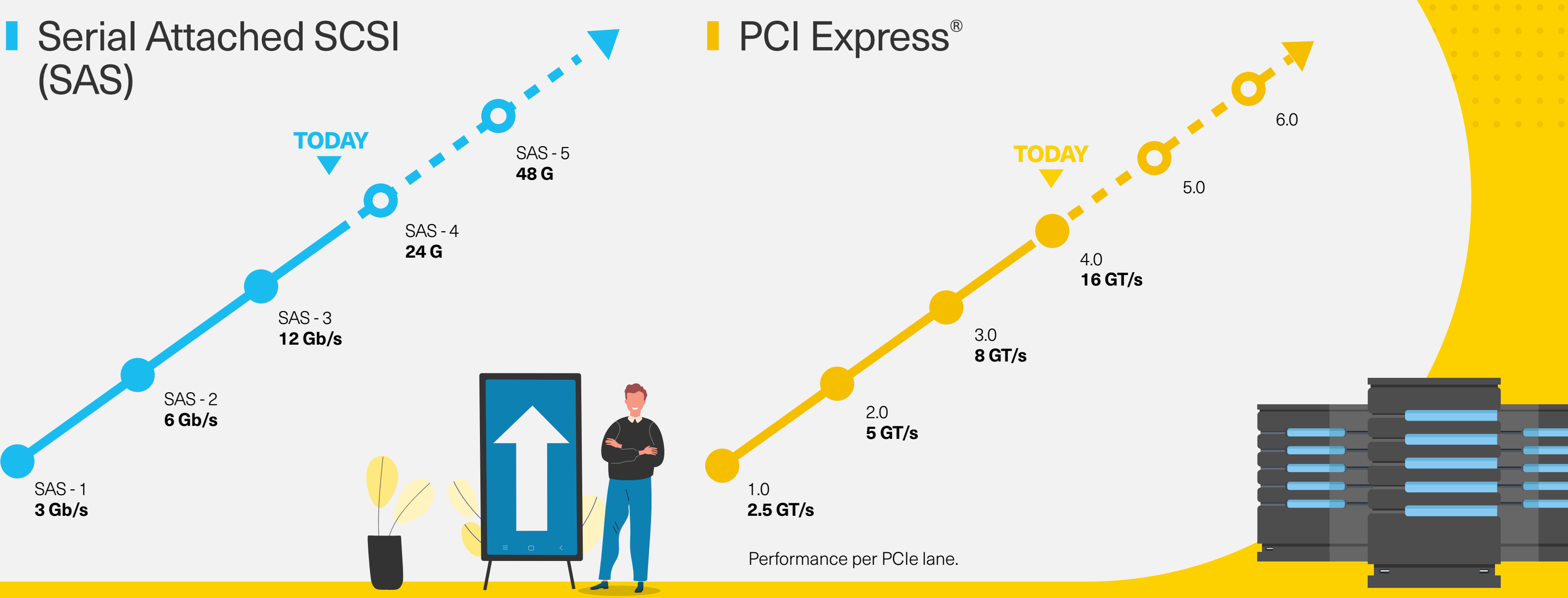
KIOXIA

Upgrade application performance with Value SAS and data center NVMe™ SSDs

SATA Performance Roadmap Ends at 6 Gb/s



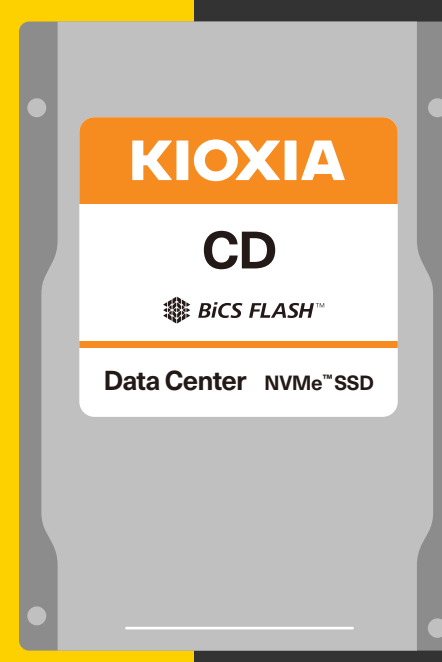
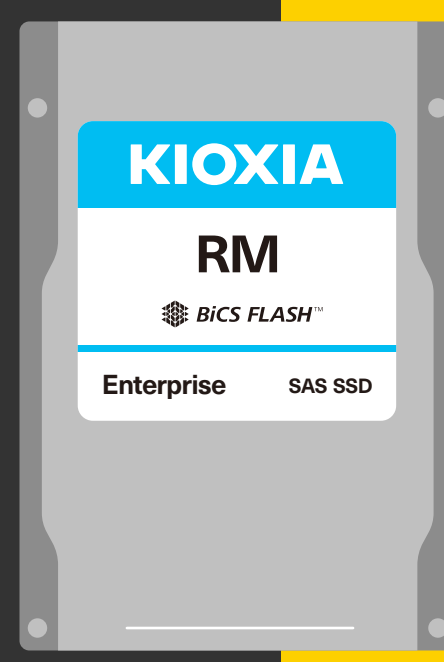
SAS & NVMe/PCIe® Technology Longevity



SAS and NVMe/PCIe interface roadmaps continue for years to come.

A Better Life with KIOXIA Next Gen Solutions

Value SAS SSDs



Data Center NVMe SSDs

Priced to Replace SATA

Single-Port 12Gb/s SAS Interface

RM5 Series Performance
Sequential reads up to 838 MB/s
Random reads up to 150,000 IOPS

Easy Replacement in SAS-Enabled Servers

Excellent Cost/Performance Compared to SATA

Single-Port NVMe Interface

CD5 Series (PCIe 3.0) Performance
Sequential reads up to 3,140 MB/s
Random reads up to 550,000 IOPS

CD6 Series (PCIe 4.0) Performance
Sequential reads up to 6,200 MB/s
Random reads up to 1,000,000 IOPS

When Ready to Deploy NVMe SSDs

RM and CD Series SSDs Designed for General Purpose, Hyperscale and Cloud Workloads



Real World Application Benefits of Value SAS and Data Center NVMe SSDs

Data Analytics

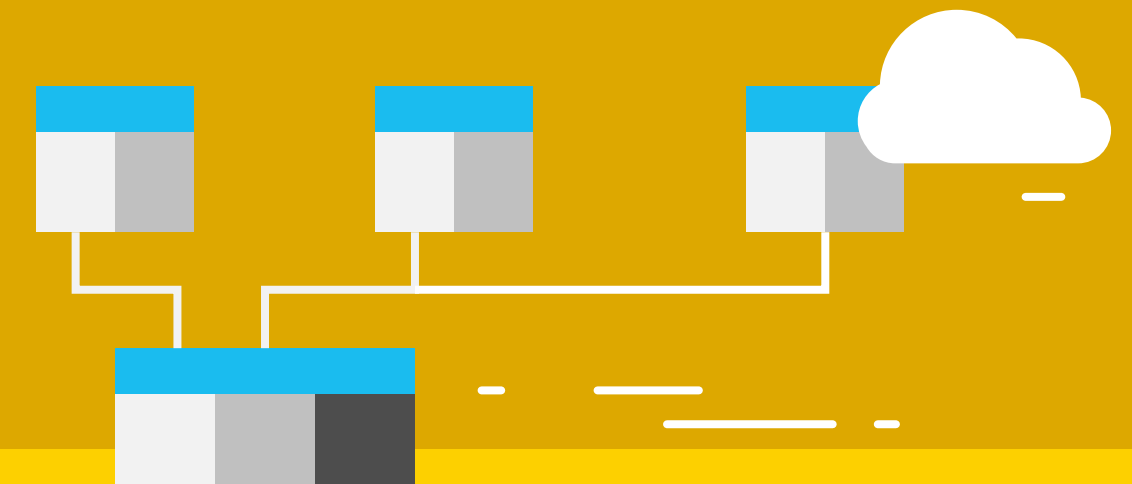
With RM5 Series over SATA in an HPE ProLiant™ DL 385 server.

2.4x
More Operations per Minute¹

SQL Server Database

With CD5 Series over SATA in an HPE ProLiant™ DL385 server.

57%
More Transactions per Minute²



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¹Principled Technologies report: RM5-Series-value-SAS-and-CD5-NVMe-mainstream-vs-SATA-data-analytics-1019.pdf
²Principled Technologies report: RM5-Series-value-SAS-CD5-NVMe-mainstream-vs-SATA-OLTP-0120.pdf

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For performance measurements, read and write speeds may vary depending on the host device, read and write conditions and file size.