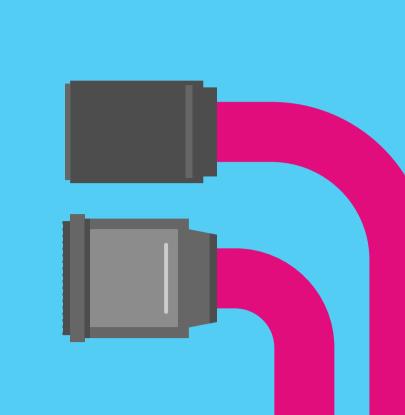
Enterprise Transformation

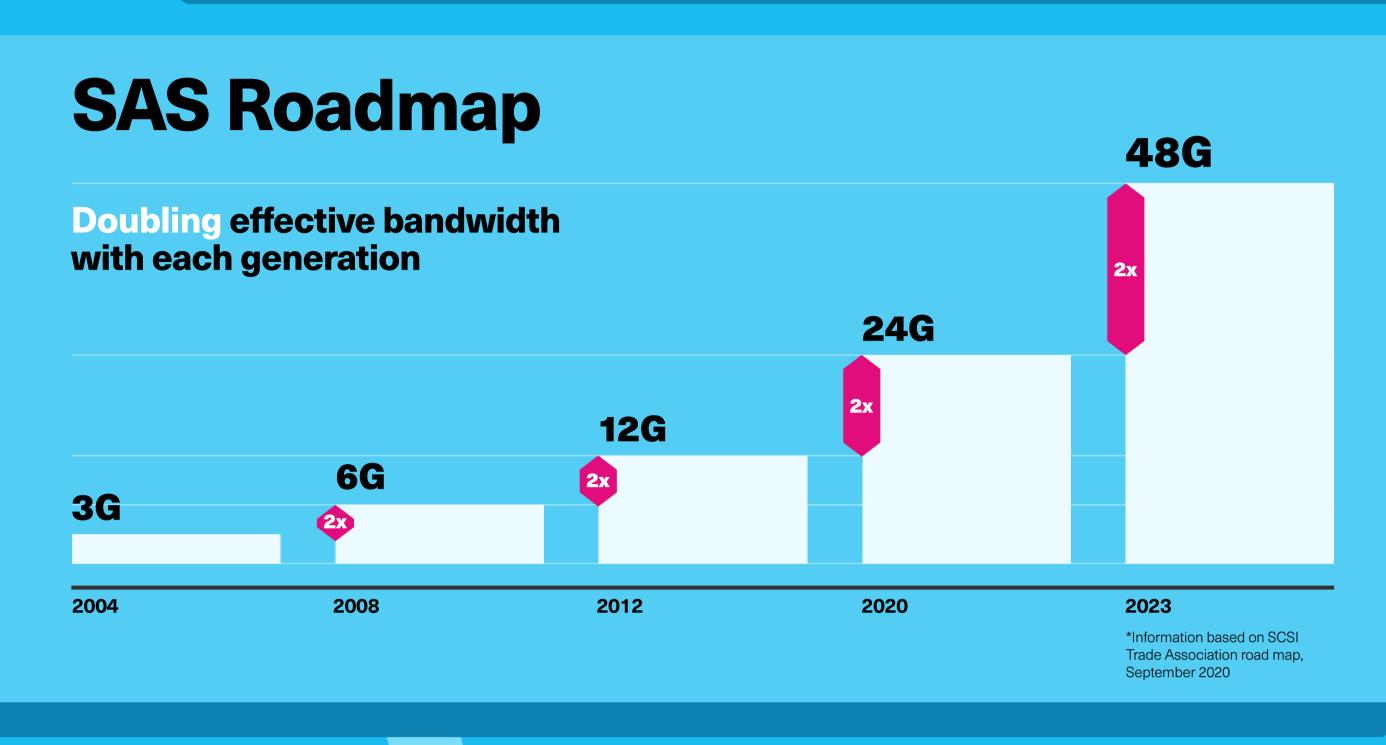
with 2 4 5 SAS

KIOXIA continues to drive innovation and development of the widely deployed and trusted data storage interface!

- Serial Attached SCSI (SAS) has 30+ years of proven reliability, performance, high-availability and data integrity
- **Designed for enterprise** servers and storage
- Connects SAS and SATA SSDs and HDDs







24G SAS Key Features

SAS Storage Intelligence



Features	Benefits
22.5 Gb/s Transfer Rate	Doubles Effective Performance
128 / 150b Encoding + Forward Error Correction	Enterprise Reliability and Data Integrity
Adaptive PHY Training Algorithm	Dynamically Optimizes Signal Integrity

Random Read 400,000 595,000 IOPS **Random Write** 90,000 **IOPS Sequential Read 2,100** MB/s **Throughput Sequential Write 2,000** MB/s **Throughput**

1 DWPD 7.68TB 12Gb/s SAS SSD

155,000 **4,150** MB/s **3,700** MB/s *Performance comparison is based on publicly available performance specifications of a 1 DWPD 7.68TB PM6 Series SAS SSD and a leading

Better SSD Management

12Gb/s SAS vs. 24G SAS

KIOXIA PM6 Series 24G SAS SSD

Capacities: 400 GB – 30.72 TB¹

Endurance: 1, 3, 10 DWPD

Security Options: Non-SED, SIE, SED, FIPS 140-2

2.5-inch Form Factor (15mm Z-height)

Comprehensive SAS SSD line up with a solution for any application



for a NAND die to fail and the SSD will continue to function with full reliability.

Today, a NAND flash die failure can render some SSDs

inoperable, risking user data and reducing system performance. KIOXIA Flash Die Failure Protection allows

Flash Die Failure Protection

capacity may vary.

KIOXIA 1 KIOXIA defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1Gb = 230 bits = 1,073,741,824 bits, 1GB = 230 bytes = 1,073,741,824 bytes and 1TB = 240 bytes = 1,099,511,627,776 bytes and therefore shows less storage capacity. Available storage

capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, and/or pre-installed software applications, or media content. Actual formatted

Information in this document, including product pricing and specifications, content of services, and contact information is current and believed to be accurate on the date of the announcement, but is subject to change without prior notice. Technical and application information contained here is subject to the most recent applicable KIOXIA product specifications.

For performance measurements, read and write speeds may vary depending on the host device, read and write conditions and file size. The following trademarks, service and/or company names - PCIe, PCI-SIG - are not applied, registered, created and/or owned by KIOXIA Europe GmbH or by affiliated KIOXIA group companies. However, they may be

applied, registered, created and/or owned by third parties in various jurisdictions and therefore protected against unauthorized use. © 2021 KIOXIA Europe GmbH. All rights reserved. Enterprise Transformation with 24G SAS Infographic | September 2021 | v1.2a