Forward-looking Statements

Safe Harbor | Disclaimers

This presentation contains forward-looking statements within the meaning of federal securities laws, including statements regarding expectations for: our business outlook, financial condition and financial and operational performance; demand trends, market conditions and market opportunities; our capital expenditures and capital allocation priorities; and the availability and performance of our future products and technologies. These forward-looking statements are based on management's current expectations and are subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied in the forward-looking statements.

Important risks and uncertainties include future responses to and effects of the COVID-19 pandemic; volatility in global economic conditions; impact of business and market conditions; impact of competitive products and pricing; our development and introduction of products based on new technologies and expansion into new data storage markets; risks associated with cost saving initiatives, restructurings, acquisitions, divestitures, mergers, joint ventures and our strategic relationships; difficulties or delays in manufacturing or other supply chain disruptions; hiring and retention of key employees; our substantial level of debt and other financial obligations; changes to our relationships with key customers; disruptions in operations from cyberattacks or other system security risks; actions by competitors; risks associated with compliance with changing legal and regulatory requirements and the outcome of legal proceedings; and other risks and uncertainties listed in our filings with the Securities and Exchange Commission (the "SEC") and available on the SEC's website at www.sec.gov, including our Form 10-K filed with the SEC on August 27, 2021, to which your attention is directed. You should not place undue reliance on these forward-looking statements, which speak only as of the date hereof, and we undertake no obligation to update or revise these forward-looking statements to reflect new information or events, except as required by law.

This presentation includes references to non-GAAP financial measures. Reconciliations of the differences between the non-GAAP measures provided in this presentation to the comparable GAAP financial measures are included in the appendices and in the Investor Relations section of our website. We have not fully reconciled our non-GAAP financial measure projections to the most directly comparable GAAP measures because material items that impact these measures are not in our control and/or cannot be reasonably predicted. Accordingly, a full reconciliation of the non-GAAP financial measure projections to the corresponding GAAP measures is not available without unreasonable effort.

W. Western Digital.

Investor Day

May 10, 2022 \\ San Francisco, CA



Technology Strategy and Roadmaps

Siva Sivaram

President of Technology & Strategy Western Digital



What's Next **Western Digital**

Technology and Development Strategy

Technology Development Strategy



Lead
Areal Density



Reimagine Every
Subsystem
HDD



Charge Trap Cell



Drive Capital Efficient
Bit Growth

Flash

A Well Directed Research Engine



In-Depth Know-How in Magnetics and Solid-State Memories

~14K Active Patents



Unique Technology Solutions Arising from Targeted Development Strategies

OptiNAND

UltraSMR and ZNS (Zone Named Spaces)

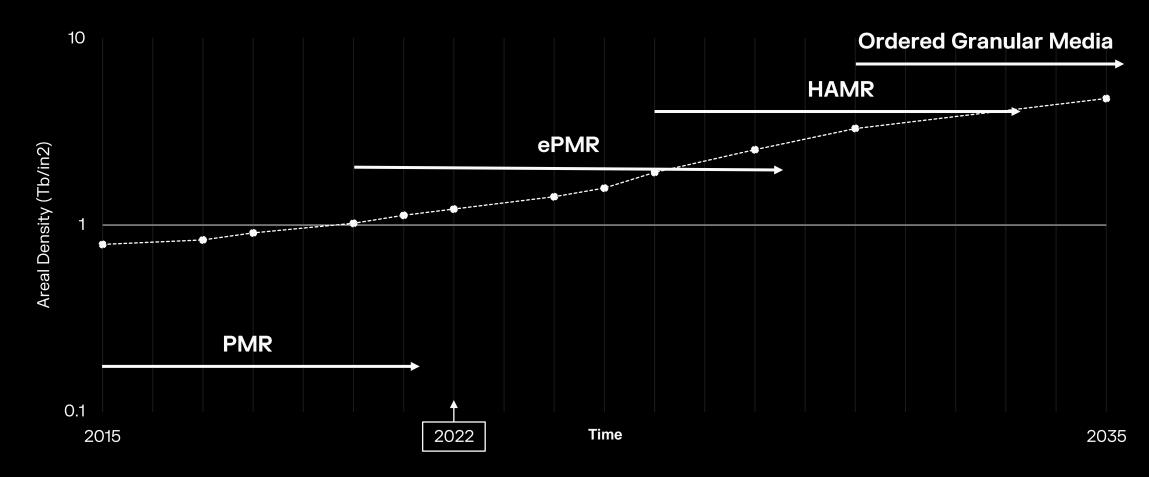
Revolutionary New Products



What's Next
Western
Digital

HDD Technology Direction

Areal Density Leadership



ePMR Provides Multi-Generational Leadership

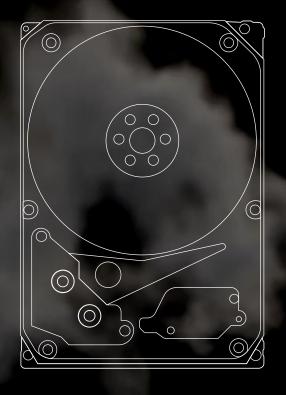
HDD is Innovating for the Cloud

Storage Density

Access Time

Reliability

Capacity



Total Cost of Ownership

Sustainability

Proximity to the Edge

Performance

Reimagining the HDD

Recording Format CMR | SMR | UltraSMR

Micro-Positioning Single Stage | Dual Stage | Triple Stage Actuation

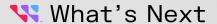
Helium Seal

Magnetic Media **Ultra-Thin AIMg Substrates**

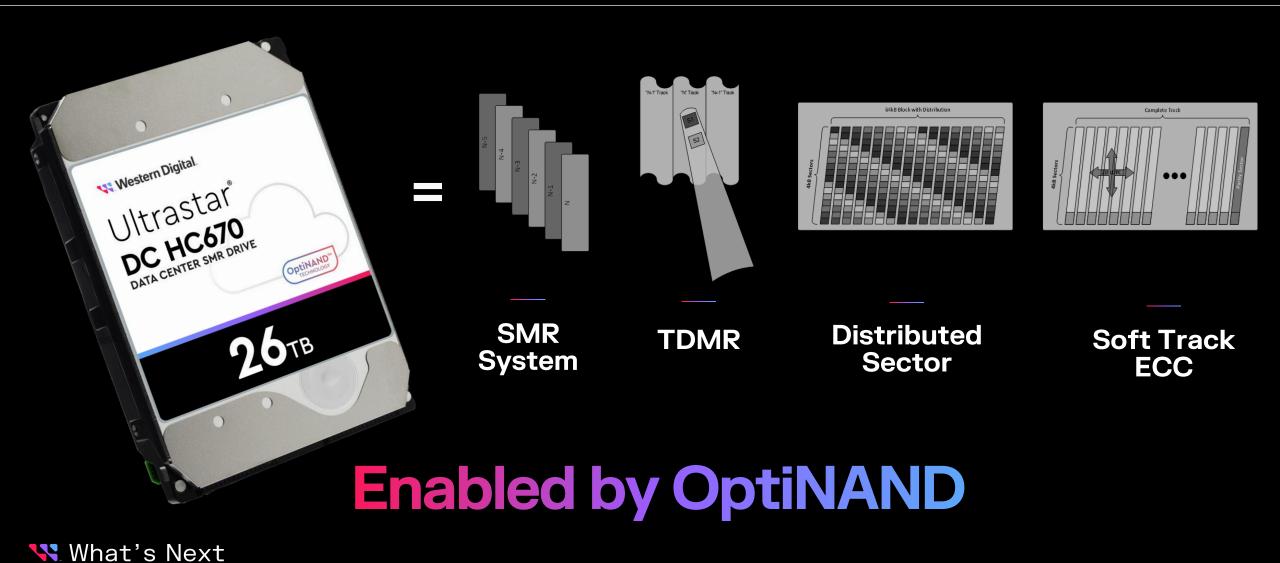
Recording Heads PMR | ePMR

Access Density 1 Head Active at a Time | 2 Heads Active

SOC and Flash DRAM Only | OptiNAND



UltraSMR



The Only Shipping 22TB Drive





Shipping

22TB

Drives to Select Customers



Sampling

26TB

UltraSMR Drives



Flash Technology

Flash Ventures A Unique Partnership Model

23 YEARS

Deep, Longstanding **23-Year Partnership**

15 NODES

Introduced **15 Generations** of Leading-Edge Technology Nodes



Yokkaichi Mega Fab Complex is the World's Largest NAND Manufacturing Site

W. What's Next

W. Western Digital.



KIOXIA

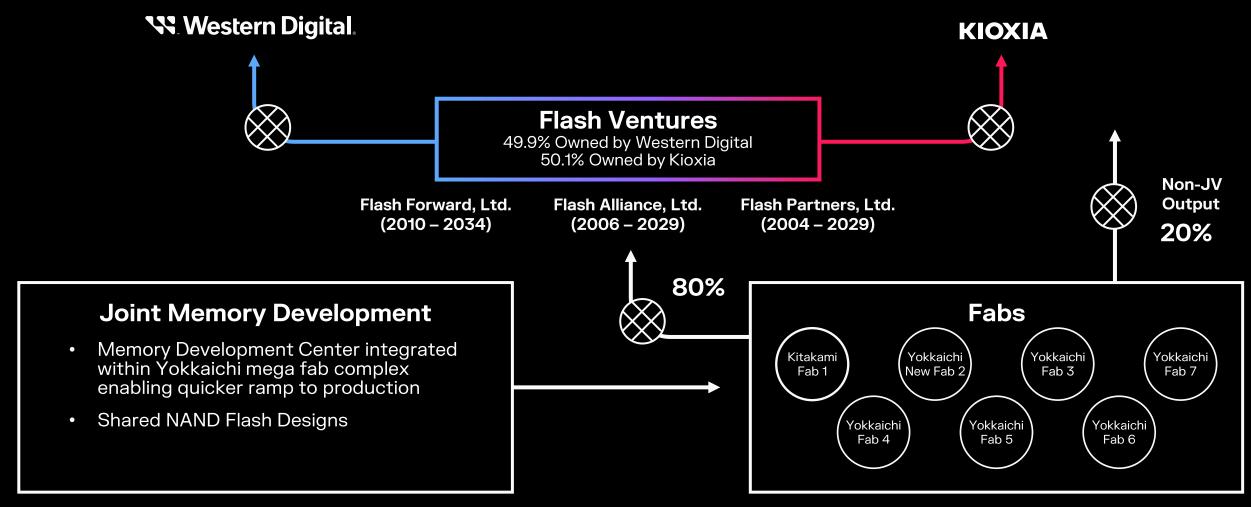
BiCS5 Bit Crossover in FQ2'22

BiCS6 Volume Ramp in FQ2'23

Y7 Fab Production Starts in FQ1'23

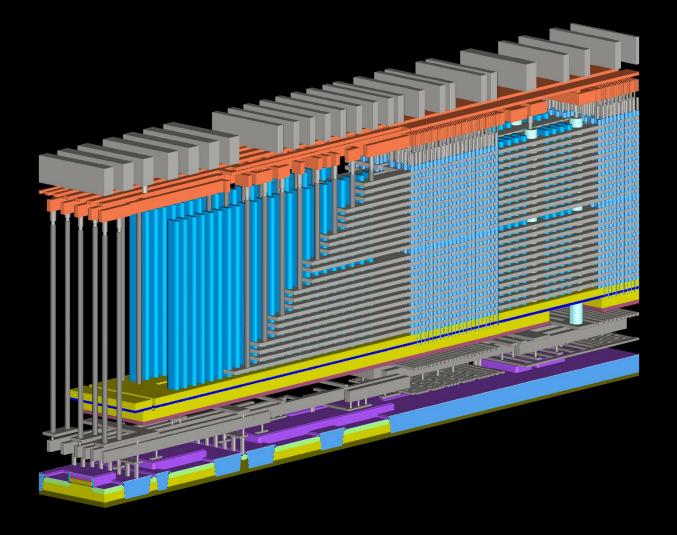
BiCS+ Preview Today

Joint Venture Operational Framework



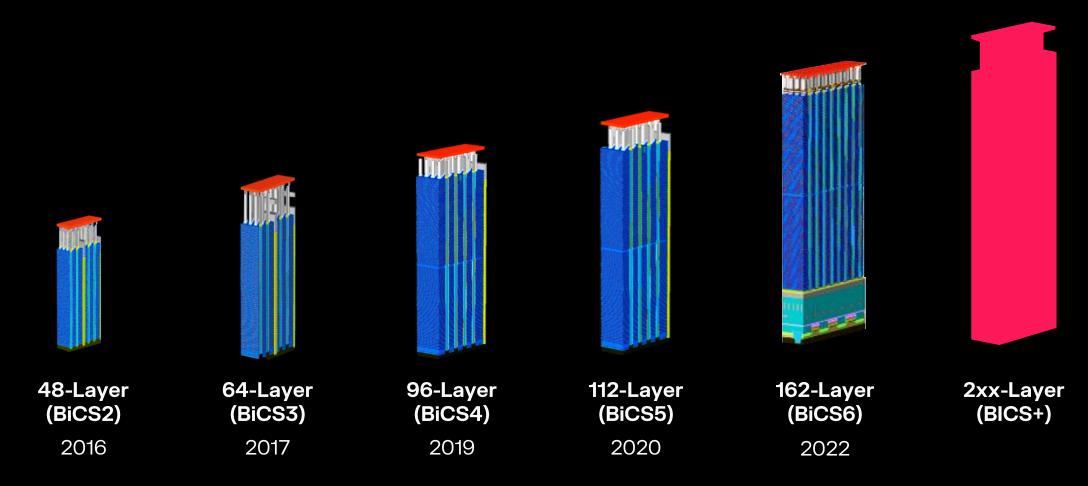


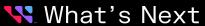
15



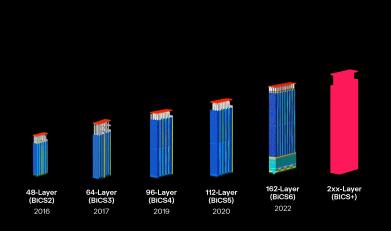
20 Years of NAND Innovation

NAND Technology Staging





NAND Technology Staging







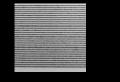


Memory Hole Density

Staggering & Overhead Reduction

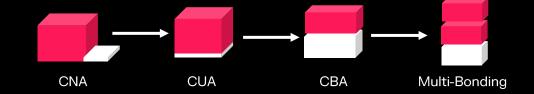
Vertical Scaling



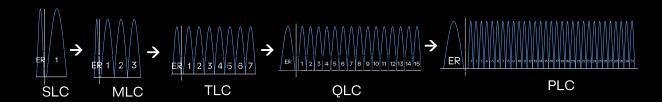


Thin & Low Resistive Memory Layers

Architecture Scaling

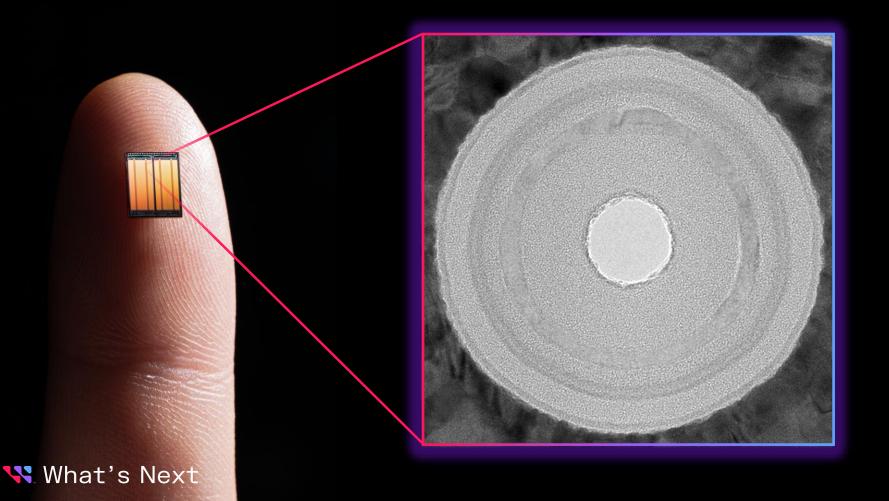


Logical Scaling



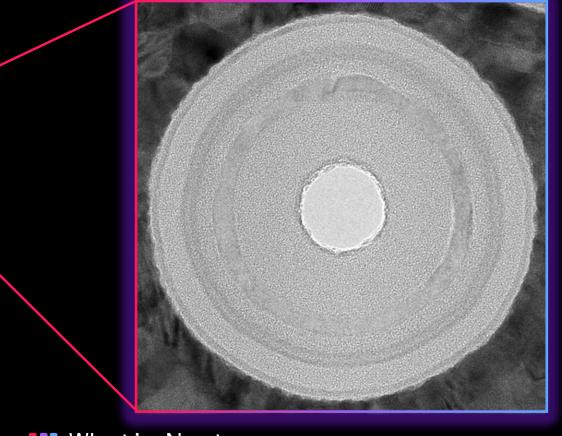
World's Best Charge Trap Cell

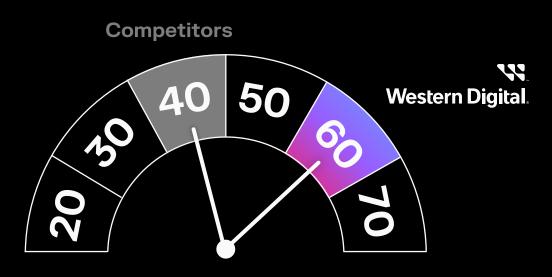
Top View



World's Best Charge Trap Cell

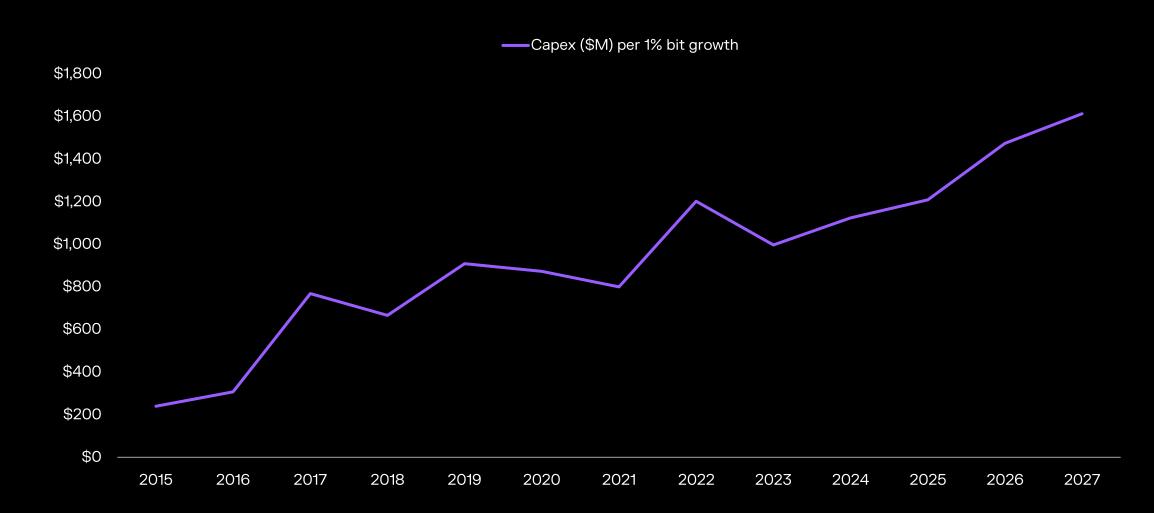
Top View

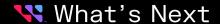




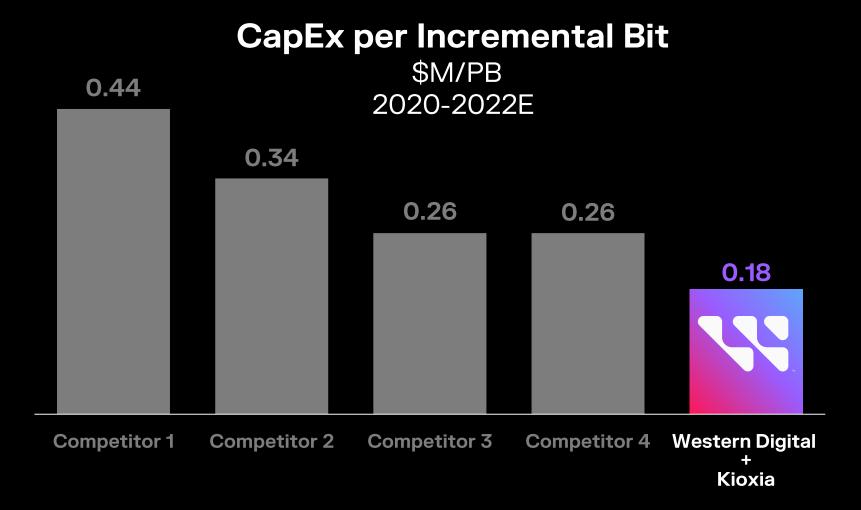
Program Performance MB/s

Increasing NAND Industry Capital Intensity





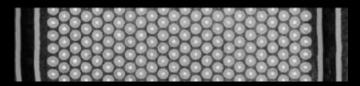
Industry's Best Capital Efficiency



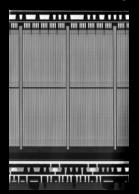


Focus on Bit Density Leadership

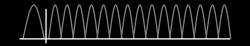
Lateral Scaling



Vertical Scaling (VS)



Logical Scaling



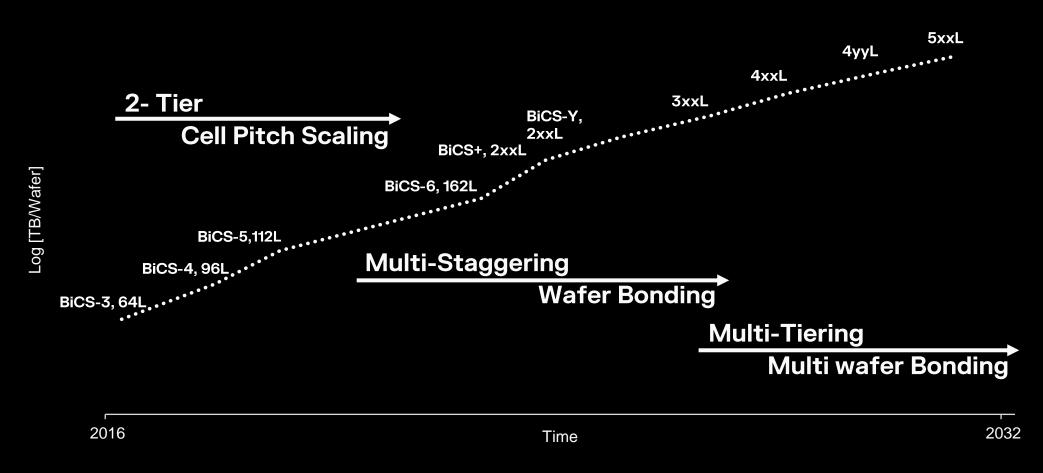
Metric	Western Digital.	Competitor 1	Competitor 2
Layer	162L	176L	176L
Die Size (mm²)	68	69.6*	69.3

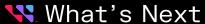
^{*} Calculated from published bit density data

Die Capacity: 1Tb X4

Single Wafer Capacity 🕦: 100 TB

Flash Memory Technology Roadmap

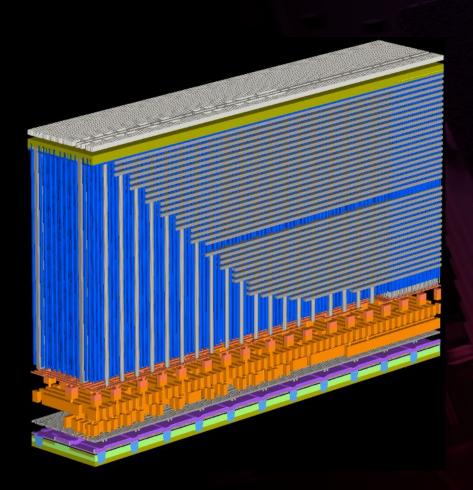






BiCS+

BiCS+ Engineered for Datacenter Workloads



1+55%

Bit Growth Per Wafer

COMPARED BICS6

1+60%

Transfer Speed

OVER BICS6

1+15%

Program Bandwidth

OVER BICS6

Key Takeaways

#1 HDD

Leader in Areal Density with First 22TB CMR Drive Shipments & 26TB UltraSMR Drive Sampling

#1 Flash

Industry Leading
Roadmap with the
Best Capital Efficiency

Revolutionary Data Center Products on the Horizon



Western Digital

Create What's Next

WESTERN DIGITAL, THE WESTERN DIGITAL DESIGN, THE WESTERN DIGITAL LOGO, SANDISK, THE SANDISK DESIGN, THE SANDISK LOGO, SANDISK PROFESSIONAL, THE SANDISK PROFESSIONAL LOGO, WD, THE WD LOGO, MY PASSPORT, OPENFLEX, OPTINAND, PRO-BLADE, RAPIDFLEX, ULTRASTAR AND WD_BLACK ARE REGISTERED TRADEMARKS OF TRADEMARKS OF TRADEMARKS OF WESTERN DIGITAL CORPORATION OR ITS AFFILIATES IN THE US AND/OR OTHER COUNTRIES. THE NVME AND NVME-OF WORD MARKS ARE TRADEMARKS OF NVM EXPRESS, INC. PCIE® IS A REGISTERED TRADEMARK AND/OR SERVICE MARK OF PCI-SIG IN THE UNITED STATES AND/OR OTHER COUNTRIES. ALL OTHER MARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS. PRODUCT SUBJECT TO CHANGE WITHOUT NOTICE. PICTURES SHOWN MAY VARY FROM ACTUAL PRODUCTS. NOT ALL PRODUCTS WILL BE AVAILABLE IN ALL REGIONS OF THE WORLD. 1GB = 1 BILLION BYTES AND 1TB = 1 TRILLION BYTES. ACTUAL USER CAPACITY MAY BE LESS DUE TO OPERATING ENVIRONMENT. 1 MB/S = 1 MILLION BYTES PER SECOND. READ AND WRITE SPEEDS ARE BASED ON INTERNAL TESTING; PERFORMANCE MAY VARY DEPENDING UPON HOST DEVICE. USAGE CONDITIONS. DRIVE CAPACITY. AND OTHER FACTORS.