

Are you harnessing data at the edge?

5G-connected devices and the intelligent edge are transforming where and how much data is created, processed and turned into insights.

How much data is being created?

79 zettabytes of data were generated in 2021.1

Byte = 8 Bits

Kilobyte = 1,000 Bytes

Megabyte = 1,000,000 Bytes

Gigabyte = 1,000,000,000 Bytes

Terabyte = 1,000,000,000,000 Bytes = 1,000,000,000,000 Bytes Petabyte

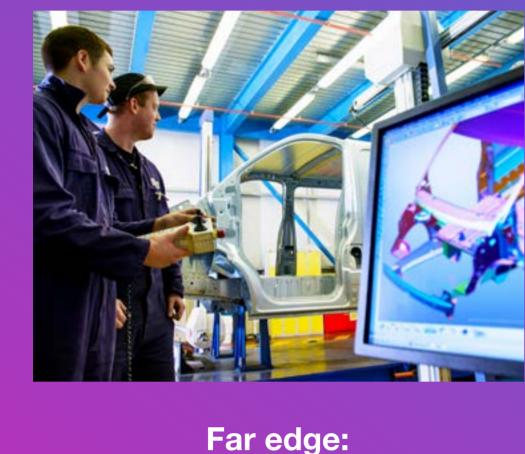
Exabyte = 1,000,000,000,000,000 Bytes Zettabyte = 1,000,000,000,000,000,000,000 Bytes

By 2025, 75% of data will be generated and processed

outside data centers.²

What is the edge? The "edge" is the location where data is created,

stored, exchanged and consumed.3



Resides at on-premise servers or on user devices⁴



Resides at the content delivery network, network access point and data center colocation level⁵

Data centers at the edge Compute resources are no longer bound to the cloud or centralized data centers.

They've moved to the edge, causing a substantial shift in IT infrastructure and workload orchestration. Why? Quickly processing data as close as possible to where it's generated unlocks its true value and competitive advantage.

Reduce latency Increase application performance

The benefits of edge intelligence:6

- Lower transport costs
- Improve regional data processing Satisfy data locality regulations
- of IT and business decision makers >1/3 (38.3%)

use edge computing infrastructure.7

Data center operators who move to meet new customer demands at the edge can avoid the challenges traditionally associated with building large-scale data centers in city centers, such as high costs and difficult logistics.8

solutions ready for the edge? Turn torrents of 5G and edge data into valuable, actionable intelligence that drives smart business decisions. Micron's innovative cloud-to-edge portfolio gives data centers an edge with low latency, high bandwidth and massive capacity.

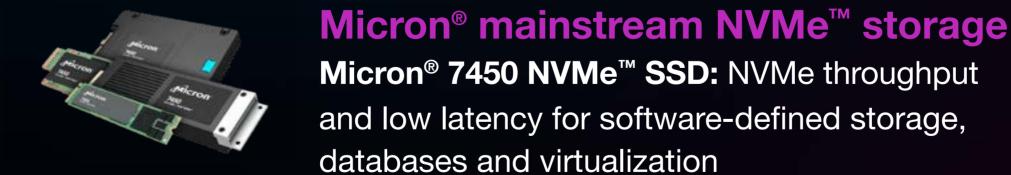
Are your memory and storage

 Set new standards for data center storage and memory performance Achieve maximum scalability of edge infrastructure Accelerate business-critical applications while maximizing IT budgets

- Make deployments faster and more efficient
- Meet Micron's broad portfolio for

Micron[®] performance NVMe[™] storage Micron® 9400 NVMe™ SSD: Outperforms competitors by up to 2.3x in mixed workloads^{9,10}

edge data center infrastructure:



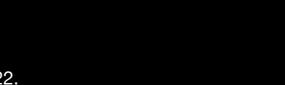




Micron® DDR4 Micron[®] DDR5 **Server DRAM Server DRAM**

Move your workloads to where data is created. Then go where the data takes you.

Learn more



Micron

Sources

- ¹ Big Data Statistics 2022: Facts, Market Size & Industry Growth, Earthweb, updated December, 2022. ² Analyst reports, Greylock, Bain analyses, lit search.
 - 451 Research, part of S&P Global Market Intelligence, "Distributed Edge Clouds: Building a Cloud-Neutral Enterprise Edge. Craig Matsumoto, Senior Analyst, Datacenter Networking," August 2022.

Why You Need to Accelerate Your Business with Cloud, Cologix, October 2022.

Inc. All other trademarks are the property of their respective owners.

³ Why You Need to Accelerate Your Business with Cloud, Cologix, October 2022.

- 51 Research, part of S&P Global Market Intelligence, "Distributed Edge Clouds: Building a Cloud-Neutral Enterprise Edge. Craig
- Matsumoto, Senior Analyst, Datacenter Networking," August 2022.
- ⁶ 451 Research, part of S&P Global Market Intelligence, "Distributed Edge Clouds: Building a Cloud-Neutral Enterprise Edge, Craig Matsumoto, Senior Analyst, Datacenter Networking," August 2022.

451 Research, part of S&P Global Market Intelligence, "Charts & Figures, Use Cases 2022: Edge Infrastructure & Services," August 2022.

Comparisons are made based on other leading PCIe Gen4 Data Center U.2/U.3 NVMe SSDs based on data center market share as noted in the Forward Insights SSD Supplier Status Q2/22 report and available data. 1GB = 1 billion bytes, formatted capacity is less.

¹⁰ Performance measured using 7.68TB SSDs at queue depth (QD) = 256 with FIO (additional details on FIO are available here:

© 2023 Micron Technology, Inc. All rights reserved. All information herein is provided on an "AS IS" basis without warranties of any kind. Products are warranted only to meet Micron's production data sheet specifications. Products, programs and specifications are subject to change without notice. Micron Technology, Inc. is not responsible for omissions or errors in typography or photography. Micron, the Micron logo and all other Micron trademarks are the property of Micron Technology,

https://fio.readthedocs.io/en/latest/).