When Microseconds Matter, Micron's 9300 SSDs Deliver

Put your data into overdrive and consistently read and write over 3.5 GB/s with microsecond responses. Optimized for performance-critical workloads, the Micron® 9300 series SSDs with NVMe™ ingest and analyze data at leading speeds.

Offering up to 15TB capacity, you can simplify your infrastructure with fewer drives. And because they feature the latest NAND technology on Micron's proven SSD with NVMe architecture, you know they're packed with the enterprise features you demand.

Engineered to accelerate massive data sets and analytics, capture important training data as soon as it is available and simplify your infrastructure while doing so, the Micron 9300 series brings more of your data closer to the CPU to empower business insights and decision-making.

Micron's 9300 series expands on our previous-generation, top-capacity drive by 40% and drives compelling cost efficiencies with the flexibility and capability data-intensive applications demand.

When performance is everything, the Micron 9300 is your answer.

*Figure 1: Micron 9300 SSD With NVMe —
U.2 Form Factor, 3.2TB to 15.36TB*

Key Features

Micron's 9300 series SSDs is our highest-performance, most expansive capacity SSD offering to date. Engineered to securely simplify and accelerate your complex infrastructure and massive data sets, the 9300 series delivers with microsecond responsiveness.

House Enormous Data – Onsite
Store massive data with up to 15TB+ of storage per SSD – onsite!

Simplify Your Infrastructure
Win the infrastructure complexity battle – fewer SSDs = fewer systems.

Capitalize on Ephemeral Data
Capture and store back test data to boost model tuning and accuracy.

Accelerate Comparative Analytics
Get quick financial comparatives across multiple factors for clear understanding.

Reduce Transaction Time
Cut transaction time to wire with drive response times (in microseconds).

Enjoy Peace of Mind
Protect privacy with sanitization via crypto-erase, secure boot and end-to-end data path protection.

Make Workloads Perform
Configurable and manageable, excels across multiple workloads.

House enormous data sets locally

As governing regulations and business needs evolve, it becomes more difficult to know which aspects of your business will be subject next.

With a maximum single SSD capacity of over 15TB and standard platforms that house 24 U.2 SSDs, the Micron 9300 PRO brings the extreme capacity of up to 360TB to help you prepare for what's next.

From a single 9300, to a standard system chassis full of 9300 SSDs, to racks and beyond, the 9300 can store massive data sets on-premises to help prepare for what's next, provide real-time access to immense active (and historical) data and enable real-time results in the privacy of your data center.

Simplify your infrastructure
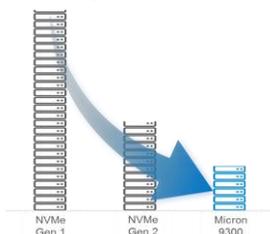
Data growth and complexity can challenge IT teams every day. It doesn't have to be that way.

Micron's third generation of SSDs with NVMe help you simplify your infrastructure by requiring:

- fewer SSDs,
- fewer systems (and fewer racks), and
- fewer network ports

while storing the same amount of data as our prior-generation NVMe SSDs.

This means reduced complexity, fewer platforms to manage and support, simplified networking and greater freedom for your IT teams to focus on growth projects. Compared to our previous- (second-) generation NVMe SSD, the 9300 series offers up to 40% more capacity in a standard, U.2, 15mm form factor. Compared to our first generation, the difference is greater still.

With a simplified data center built with Micron's 9300 series SSDs, you could easily house your data onsite and get lightning-quick access with less infrastructure – less to lease and less to own.

Capitalize on ephemeral training data
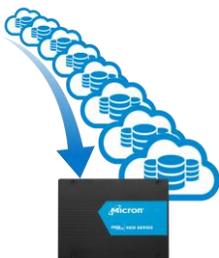
Trading models have changed, and their complexity has grown. Using multiple data sources (both structured and unstructured) can drive real results.

But data sources can be transient (and include sources outside of standard data feeds). Iteratively testing experimental trading models with these historical data sets can build an invaluable view into future behavior and different models' results.

When live, transient data is readily available and can be captured quickly.

Testing multiple models (or adjusting model weights) can provide far greater accuracy and enable you to tune precisely and build results consistently.

To do this, back testing is the key — iterative testing on local copies of actionable, accurate, relevant data because changing the underlying test data introduces too many additional variables that can make model comparisons challenging. Keep a local cache of data to create consistent data samples to design and verify your algorithms against.

The Micron 9300 series offers ingest rates of up 3.5 GB/s to help you quickly capture the latest training data sets as soon as they are available.

Accelerate comparative and risk analytics

Comparative and risk analytics can combine multifactor inputs with varying "what if" scenarios to classify, categorize, and estimate influencers, trends, and patterns to help enhance decision-making.

Analytics can help you gain an in-depth understanding of how external factors affect outcomes and how relative cost/benefit estimate models enable quick and efficient categorization, enhancing measurement of massive inputs on multiple models to generate real results.

Risk analytics, fraud detection, alerting and performance analysis thrive on fast data ingest.

This intense data flow is built on a foundation of extreme data ingest (into storage and then into the model) and egest (read from storage and into a model/algorithm).

Enable microsecond responses

When transactions happen in milliseconds, profits can too. Make speed part of your strategy.

Even small delays become slowdowns when running in-depth analysis across long time periods, large historical records or multiple trading symbols.

The Micron 9300 series helps drive latency from your analysis by lowering storage response time while stretching your infrastructure capabilities, enabling you to shave off microseconds.

Enjoy peace of mind

Equipped with multiple enterprise flash management enhancements, the 9300 series enables peace of mind through:

- End-to-end enterprise data protection (data integrity)
- Secure boot (to protect the device from unauthorized logins or invalid firmware)
- Cryptographic erase (4K sector)
- Enterprise power-loss protection
- Standard 5-year warranty

Make your workloads perform

Configurability and manageability drive non-volatile storage versatility.

With up to 32 namespaces, the 9300 series can easily handle multi-tenancy deployments in hyperscale data center and cloud infrastructures and can improve elasticity and utilization for a broad range of applications that will thrive with its granular, purpose-built capacity tuning.

The 9300 series uses the NVMe protocol, which brings your data in those namespaces closer to your CPUs, enabling short data paths, fast turnaround times and near real-time results.

Add IOPS to your balance sheet with the Micron 9300 performance series of NVMe SSDs -- optimized for demanding workloads, when microseconds matter.

Learn More

Visit www.micron.com/9300 to learn more about the 9300 series SSDs with NVMe.

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