



micron™

## Memory and storage for the federal and public sectors

Micron Technology, headquartered in Idaho, is a global leader in innovative memory and solutions for a broad range of applications. From the data center to the intelligent edge and across the client/laptop user experience, Micron delivers a deep portfolio of proven SSDs and DRAM.

### Aligned with your missions

Federal, state, and local agencies are being tasked with new or expanded services requiring security, agility, and speed. These services often have stringent requirements and need optimized IT infrastructures that can achieve cost-effective, predictable outcomes. Micron innovation is aligned with federal, state and city governmental missions and requirements, providing technology solutions that enable:

- Improved workforce productivity
- Increased operational tempo—delivering the right information to the right person, at the right time
- Shifts from cloud-to-edge computing
- Enhanced surveillance application support with extreme storage capacities and performance

### Micron and U.S. affairs

Our country's processes and systems have faced supply chain disruptions and labor shortages. Micron is the only U.S.-based owned and operated manufacturer of memory and storage semiconductor solutions with manufacturing facilities in the U.S.

Micron SSDs are built using our industry-leading NAND and deliver high performance, industry-leading reliability, superior data protection, and optimal endurance.

### Fast facts

- Micron is a U.S.-based and owned company.
- Micron offers TAA-compliant products that include industry leading security features such as TCG SSC support, NIST-certified algorithms, FIPS, CNSA to protect NSS, secure provisioning, secure boot, secure FW updates, advanced device identity and attestation, certificate injection at manufacturing and SPDm protocol support.<sup>1</sup>
- Micron was awarded \$6,448 as part of the CHIPS Act to support planned investments in Idaho, New York and Virginia. The CHIPS Act aims to revive U.S. manufacturing of semi conductors and create American jobs.
- 9% of Micron's U.S. based workforce is veterans.<sup>2</sup>
- CHIPS Act funding will support Micron's planned investments of more than \$140 billion in manufacturing and R&D, including these large U.S. investments
  - Over \$100 billion over the next 20+ years to construct a new megafab in Clay New York, the largest private investment in New York state history.
  - \$15 billion through the end of the decade in advanced memory manufacturing in Boise, the largest private investment ever made in Idaho.
  - Investment of \$40 billion through the end of the decade to build leading-edge memory manufacturing in multiple phases in the U.S.
- Virginia Showcase - Micron MTV Fab 6 for manufacturing and testing in Manassas, Virginia regularly hosts tours for government and technology leaders. The Manassas site is one of many fabs that produce zMicron plans to expand here with a global R&D center for automotive, industrial and networking applications.

## The right technology

Memory and storage solutions play a massive role in improving and enabling complex federal and public sector AI applications, such as predictive analytics, deep learning, geospatial analysis, autonomous UAVs, cybersecurity, and ISR (surveillance), to accelerate the PED-intel cycle.

Micron is uniquely positioned to meet the domestic demand for the insatiable memory and storage resource requirements and solutions for increasingly complex, high-performance and low-latency AI/ML applications that need to process massive volumes of data in real time or near real time in the data center or at the edge.

Micron delivers deep experience, supply security, and high value. Our extensive engineering and broad system knowledge combine to support successful system design and deployment. We combine that with end-to-end support and an understanding of how to integrate memory and storage from every angle to help maximize system operation and product performance.

## Easy public sector purchasing

Micron solutions are listed and able to be purchased on the U.S. government's General Services Administration (GSA) schedule. Micron memory and storage can be purchased as separate GSA-scheduled components or embedded into leading partner's Multiple Award Schedules (MAS).

- Micron offers TAA compliance on GSA contracts<sup>1</sup>.
- Micron SSDs and DRAM memory are approved for use through Federal Acquisition Requisitions (FAR) and the Defense FAR System (DFARS). Micron is compliant with the Federal Acquisition Regulation (FAR) 52.204-21 contract clause.
- To speed up and simplify the procurement process, FAR Subpart 8.4 contracts are already negotiated so orders may be issued under these contracts.
- Micron products for the public sector are tailored to end-user customer needs through NIST SP 800-171.
- Micron's compliance practice abides by laws such as the International Traffic in Arms Regulations (ITAR) and Export Administration Regulations (EAR).

## Helping keep sensitive data secure

Micron provides the U.S. public sector with storage solutions that are industry leading and compliant with U.S. Government cybersecurity IT policy requirements. We also implement security disciplines throughout the supply chain.

As a contributing member of the [Trusted Computing Group](#),<sup>4</sup> Micron customers trust our products to store and help protect their most critical and sensitive data. That is why we build security into the design of our SSDs with robust encryption and authentication features, as well as data sanitization methods consistent with industry standards.

Micron's feature-rich self-encrypting SSDs and secure firmware help protect the storage platform against low-level attacks.

Features like Advanced Encryption Standard (AES) 256-bit hardware encryption, SHA-512, and RSA standards work together to protect data. For more details on Micron SSD's security features and functions, see the [Micron SSDs: A Secure Foundation for Your Data](#) technical brief.

Micron integrates robust security features into our product designs, such as secure boot, encrypting data where applicable, establishing a hardware root of trust, certificate injection at manufacturing, device identity and attestation, and SPDm protocol support<sup>5</sup>. Our "security by design" approach integrates security as a core requirement in our products, increasing our resilience to evolving security threats. For more information on how Micron helps keep sensitive data secure, go to [Micron Security](#).



## More Micron innovation and information

Micron solutions bring performance and value to cloud solutions, data center storage, networking and security, surveillance and IoT, digital workspaces, and more. Talk with your Micron account executive, your preferred IT partner, or visit [microncpg.com](https://microncpg.com) or [micron.com](https://micron.com).

1. TAA-compliant devices are not available for all Micron SSDs. For more information about TAA compliance options, contact your Micron sales team for additional information. Statement based on SSD product briefs available at [micron.com/ssd](https://micron.com/ssd)

2. Micron veteran employee figures from Micron 2022 DEI Report, see; [2022-diversity-and-inclusion-report.pdf](https://micron.com/2022-diversity-and-inclusion-report.pdf) ([micron.com](https://micron.com))

3. Not all Micron products are assembled at all Micron manufacturing sites.

4. TCG contributing members list available from <https://trustedcomputinggroup.org/membership/member-companies/>

4.1. TCG Enterprise specification details are available at the Trusted Computing Group website: [https://trustedcomputinggroup.org/wp-content/uploads/TCG\\_Storage-SSC\\_Enterprise-v1.01\\_r1.00.pdf](https://trustedcomputinggroup.org/wp-content/uploads/TCG_Storage-SSC_Enterprise-v1.01_r1.00.pdf)

4.2. TCG Opal specification details are available on the Trusted Computing Group website: [https://trustedcomputinggroup.org/wp-content/uploads/TCG\\_Storage-Opalite\\_SSC\\_v1.00\\_r1.00.pdf](https://trustedcomputinggroup.org/wp-content/uploads/TCG_Storage-Opalite_SSC_v1.00_r1.00.pdf)

4.3. TCG Pyrite specification details are available at the Trusted Computing Group website: <https://trustedcomputinggroup.org/resource/tcg-storage-security-subsystem-class-pyrite/>

5. No hardware, software or system can provide absolute security under all conditions. Micron assumes no liability for lost, stolen or corrupted data arising from the use of any Micron products, including those products that incorporate any of the mentioned security features.

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