

QLC TECHNOLOGY BRINGS YOU

Fast Capacity FOR LESS OUTLAY AND More Value

FROM EMERGING APPLICATIONS

5 Reasons QLC Belongs in Your Data Center

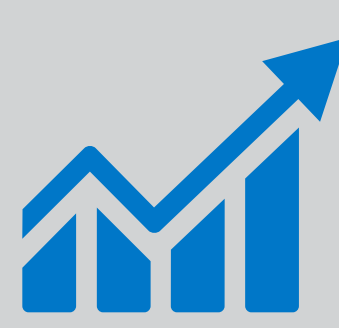
1 “Three V’s” Rule the Data Center

Volume, velocity and variety rule. QLC keeps you in charge.



Volume

Is your data growing, shrinking or staying the same? QLC packs 33% more bits in every cell.



Velocity

QLC enables real-time applications and a better user experience with lightning-quick reads across multiple data sources.



Variety

Emerging applications, real-time analytics, Big Data, read-intensive AI, machine/deep learning, content delivery thrive with QLC.

2 Most Data Needs to be Read, Processed and Analyzed Quickly Not Rewritten Repeatedly

163 The number of zettabytes we'll produce by 2025

Billions Of new data entries, pictures, and communications — created every day

IoT Automated systems and sensors, appliances and mobile monitors are pervasive

3 Storage Innovation Meets Emerging Demand

QLC technology enables reduced cost, higher capacity and the read-focused design more workloads demand.

Transform
How you use vast data resources



Realize
More in-depth understanding



Choose
Make the right decisions and enrich lives



4 Hardware Security Fully Integrated

Data is your most valuable asset. Store it on QLC-based SSDs with AES-256-bit encryption and TCG Enterprise protection like the Micron 5210 ION.

Standards-Based Security
TCG Enterprise Security

Advanced Encryption
AES 256-bit hardware encryption engine (no performance loss)



Secure Firmware
Digital signatures and boot-time attestation

Instant Scramble Erase
A complete data sanitization of data on the SSD (in under two seconds)

5 QLC Workload Advantage

Free read-centric workloads from the confines of legacy storage. Realize the value from new and existing assets.

- Read-intensive artificial intelligence
- Machine and deep learning
- Real-time analytics and big data
- Business intelligence
- User authentication and profile access
- Active archives and large block storage
- NoSQL databases
- Content delivery, video on demand and content streaming