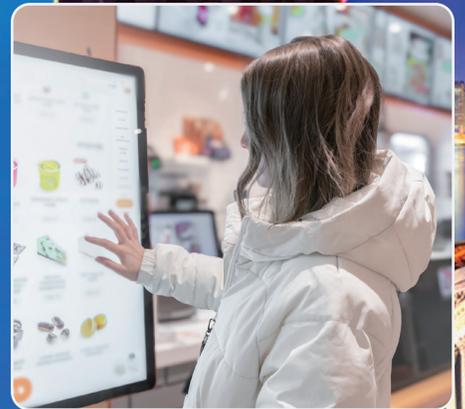


Lexar
ENTERPRISE



DELIVERING EFFICIENT PERFORMANCE AT SCALE

FORESEE™ DDR3L Memory for Embedded and Cost-Sensitive Systems



POWERING THE FUTURE WITH SMARTER MEMORY SOLUTIONS

At Lexar Enterprise, memory is more than storage—it is a critical component of reliable, efficient system performance. Through our FORESEE™ product brand, we deliver purpose-built memory solutions designed to support embedded and connected systems operating under real-world constraints.

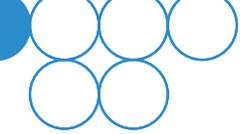
This success story highlights how FORESEE DDR3L memory helped system designers achieve stable performance while reducing power consumption and managing bill-of-materials (BOM) targets in point-of-sale and projection systems.

AT A GLANCE

- **APPLICATION:** Point-of-sale systems and projection devices
- **CHALLENGE:** Long duty cycles, power efficiency requirements, and tighter BOM constraints
- **SOLUTION:** FORESEE DDR3L memory operating at lower voltage
- **OUTCOME:** Stable system performance, improved power efficiency, and BOM targets met

“At Lexar Enterprise, our vision is to enable smarter, more sustainable technology ecosystems. FORESEE solutions are built not just for today’s needs, but for tomorrow’s opportunities.”

JOEL BOQUIREN
Chief Marketing Officer
Lexar Enterprise



THE CHALLENGE: Balancing Performance, Power, and Cost

POS systems and projection devices are often designed for extended duty cycles, running for long hours in commercial environments where stability and efficiency are essential. For one customer, maintaining dependable performance while reducing power consumption and controlling BOM costs presented a key design challenge.

Conventional memory solutions struggled to deliver consistent bandwidth without increasing energy use or system complexity—making it difficult to meet both performance expectations and cost targets.

THE SOLUTION: FORESEE™ DDR3L Memory

FORESEE DDR3L memory delivers dependable bandwidth while operating at lower voltage, helping system designers balance performance, power efficiency, and cost.

By selecting DDR3L, the customer was able to maintain stable system operation across long duty cycles while reducing power draw and simplifying power management. The result was a clean, efficient memory solution well-suited to embedded platforms with strict cost and reliability requirements.



CUSTOMER WIN: POS & PROJECTION SYSTEMS

ISSUE:

Long duty cycles and tighter BOM constraints

SOLUTION:

FORESEE DDR3L memory

RESULT:

Stable performance, improved power efficiency, and controlled BOM costs

PERSPECTIVE:

Efficient Performance Matters

As embedded and commercial systems continue to scale, energy efficiency and cost control are increasingly important. Devices expected to run continuously must deliver predictable performance without unnecessary power consumption or system complexity.

Low-voltage memory technologies such as DDR3L—and their successors—continue to play a key role in enabling efficient, cost-effective designs across a wide range of embedded applications.

WHY FORESEE:

Reliability at Scale

- Dependable bandwidth for extended-duty-cycle applications
- Lower-voltage operation to support energy-efficient designs
- Proven validation aligned to real-world embedded workloads
- Roadmap stability and supply longevity for multi-year programs

CONCLUSION:

With FORESEE DDR3L memory, Lexar Enterprise helps system designers achieve efficient, reliable performance without sacrificing cost control. By balancing bandwidth, power efficiency, and long-term availability, FORESEE solutions support stable operation across embedded and commercial environments.

As system requirements evolve, Lexar Enterprise remains committed to providing memory solutions that enable efficient design decisions and long-term confidence.

Next Step

Need more technical details or evaluation support? Our applications team can share qualification guidance, endurance profiles, and product matrices under NDA.

“Lexar Enterprise helps our partners bring FORESEE products to market with confidence.”

Todd Levy
Vice President Sales
Lexar Enterprise