

# Lexar

## ENTERPRISE

### Commercial and Industrial DDR3L DRAM Component

Product Brief



#### Capacities

**2Gb, 4Gb**

#### Advanced Features

- Temperature range:
  - 0°C to +95°C (Commercial)
  - -40°C to +95°C (Industrial)
- Data rate up to 2133Mbps
- Backwards-compatible with DDR3
- JEDEC compliant
- Low power consumption

#### Applications



**Smart Speaker**



**Industrial Internet Protocol  
Camera (IPC)**



**Smart TVs**



**Set-top Box (STB)**



**xPON**

#### Lower Voltage, Lower Power Consumption

Specifically made to operate at a lower voltage, our DDR3L memory saves energy and is also a cost-effective choice for a wide variety of battery-powered devices.

#### Key Benefits

##### Consumes Less Power

DDR3L operates at a lower voltage than DDR3 memory – 1.35V versus 1.5V. This lower operating voltage makes it more energy efficient.

##### Generates Less Heat

Thanks to its ability to run at 1.35 volts, DDR3L also produces less heat. Because heat can result in thermal throttling, memory that produces less heat is better able to maintain peak performance and improves overall system reliability.

##### Backwards-compatible with DDR3

Backwards-compatible with both 1.35V and 1.5V – DDR3L can also work with DDR3 memory in systems that already contain DDR3 memory. The 2133 speed grade is backwards-compatible with 1866, 1600, and 1333 speed grades.

DDR3L 2Gb (16M x 16 Config)

Part Number	Density	Data Rate (Mbps)	Voltage Range		Package	Temp Range	Size
F60C1A0002-M6AR	2Gb	1866	DDR3L	1.283V ~1.45V	wBGA96	0°C to +95°C	7.5 x 13.5mm
			DDR3	1.425V ~1.575V			
F60C1A0002-M69W	2Gb	1866	DDR3L	1.283V ~1.45V	wBGA96	-40°C to +95°C	7.5 x 13.5mm
			DDR3	1.425V ~1.575V			
F60C1A0002-M6KR	2Gb	2133	DDR3L	1.283V ~1.45V	wBGA96	0°C to +95°C	7.5 x 13.5mm
			DDR3	1.425V ~1.575V			

DDR3L 4Gb (32M x 16 Config)

Part Number	Density	Data Rate (Mbps)	Voltage Range		Package	Temp Range	Size
F60C1A0004-M79R	4Gb	1866	DDR3L	1.283V ~1.45V	wBGA96	0°C to +95°C	7.5 x 13.5mm
			DDR3	1.425V ~1.575V			
F60C1A0004-M79W	4Gb	1866	DDR3L	1.283V ~1.45V	wBGA96	-40°C to +95°C	7.5 x 13.5mm
			DDR3	1.425V ~1.575V			
F60C1A0004-M7KR	4Gb	2133	DDR3L	1.283V ~1.45V	wBGA96	0°C to +95°C	7.5 x 13.5mm
			DDR3	1.425V ~1.575V			

\*Data based on internal testing. Actual performance may vary due to equipment differences.