



DuraMemory[™]

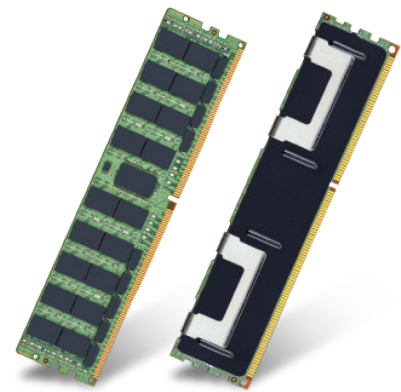
LRDIMM

SMART Modular Technologies' DDR4 and DDR3 load-reduced dual in-line memory modules (LRDIMMs) use a distributed buffer approach so that high-speed memory controllers in CPUs can drive larger quantities of memory. There are also specific configurations, such as when using three DIMMs per channel, that require LRDIMMs.

SMART Modular supports a wide lineup of DDR4 LRDIMMs ranging from 32GB to 256GB. For OEMs requiring a range of LRDIMM density options, SMART Modular can provide a smooth continuity of supply. SMART helps minimize supply chain disruptions by self-qualifying new die revs and providing multi-sourced DRAM options.

For OEMs with mission-critical requirements, SMART Modular offers Enterprise Grade LRDIMMs to significantly minimize the risk of DRAM failures in deployed systems. SMART Modular also offers a selection of Value Memory modules in its LRDIMM series. Value Memory modules are cost-effective Tier 1 ODM JEDEC-standard memory modules.

SMART Modular buys its finished lineup of commodity memory modules directly from Tier 1 DRAM suppliers. These are the most commonly used modules for standard server compute and storage applications.



Applications

- Ideal for data centers requiring large amounts of server memory
- Ideal for three DIMM per channel server configurations
- Enterprise Grade LRDIMMs available for mission critical applications

Features & Benefits

- JEDEC standard
- High speed data rates
 - DDR4-2400, 2666, 2933, 3200
 - DDR3-1600

DDR4 Ordering Information

288-PIN - DDR4 LRDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST3277LR440444-SM	256GB	31.25	32Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
SR1637LR440425-SD	128GB	31.25	16Gb x72	8Gx4	3200MT/s	1.2V	0°C to +70°C
ST1637LR440414-SM1	128GB	31.25	16Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C



For more information, please visit: www.smartm.com

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