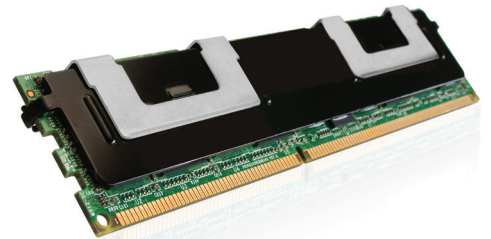


LRDIMM

SMART Modular Technologies' DDR3 and DDR4 load-reduced dual in-line memory module (LRDIMM) is capable of delivering more than four times the bandwidth than standard RDIMM while reducing overall power consumption. Traditional RDIMM limit the amount of memory that can be accommodated to their loading profile. SMART's LRDIMM, with rank multiplication, replace the register with a memory buffer to significantly reduce loading, increase capacity and increase bandwidth.

Features & Benefits

- JEDEC[®] compliant and widely supported by the industry
- Four times more server and storage system memory capacity
- Data rates up to 1886MT/s for DDR3 and 2400MT/s for DDR4
- LRDIMM uses off-the-shelf 32GB DDR3 DRAM technology



Applications

- Cloud-computing
- Server-virtualization applications
- Intel Sandy Bridge and Ivy Bridge servers

DDR4 Memory Modules

288-PIN - DDR4 LRDIMM

| SMART Part Number | Density | Height (in.) | Module Config. | Device Type | Speed | Voltage |
|----------------------|---------|--------------|----------------|-------------|-----------|---------|
| SH4097LR410451-HM/SD | 32GB | 1.23 | 4G x72 | 1G x4 | 2133 MT/s | 1.2V |
| SH4097LR410472-SD | 32GB | 1.23 | 4G x72 | 1G x4 | 2400 MT/s | 1.2V |
| SH8197LR420451-HM/SB | 64GB | 1.23 | 8G x72 | 2G x4 | 2133 MT/s | 1.2V |

DDR3 Memory Modules

240-PIN - DDR3 LRDIMM

| SMART Part Number | Density | Height (in.) | Module Config. | Device Type | Speed | Voltage |
|-------------------|---------|--------------|----------------|-------------|-----------|---------|
| SH4097LR310438-SD | 32GB | 1.18 | 4G x72 | 1G x4 | 1866 MT/s | 1.5V |
| SG4097LV310416-SD | 32GB | 1.18 | 4G x72 | 1G x4 | 1600 MT/s | 1.35V |
| SG4097LV310493-SD | 32GB | 1.18 | 4G x72 | 1G x4 | 1333 MT/s | 1.35V |

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